Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 149 No. 22

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

June 3, 1946

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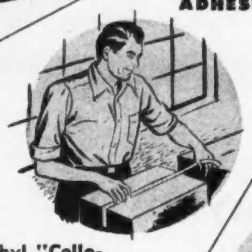
SOLVENTS

for

LACQUERS

Lacquers formulated with the mild-odored "Cellosolve" solvents have exceptional gloss and film toughness, and do not orange-peel.

ADHESIVES



Because Methyl "Cellosolve" flows evenly and does not adhere to the machine, it is widely used in the heat-sealing of moisture-proof cellophane.

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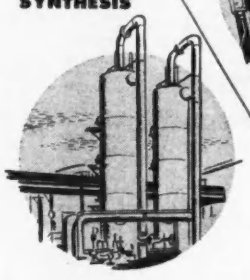
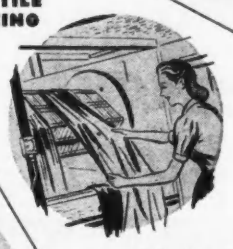
Used with water pigments and dye solutions, "Cellosolve" provides increased penetration, better flow, and an even finish.

CHEMICAL SYNTHESIS



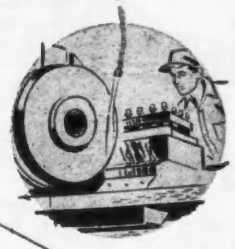
Esters of the "Cellosolve" compounds are finding extensive application as plasticizers for synthetic resins and elastomers.

TEXTILE DYEING



"Cellosolve" solvents increase the solubility of dyes, giving brighter shades.

SOLUBLE OILS



Because "Cellosolve" compounds are good mutual solvents they are used in dry-cleaning soaps and in soluble oils for textile processing and metal-cutting.

"Cellosolve" Solvents include: Methyl "Cellosolve," "Cellosolve," Butyl "Cellosolve," Ethylbutyl "Cellosolve," Phenyl "Cellosolve," Benzyl "Cellosolve," Methyl "Cellosolve" Acetate, "Cellosolve" Acetate.

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- Chlorinated Compounds
- Nitrogen Compounds
- Sulfur Compounds
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- Hydrocarbons
- "Columbia" Activated Carbon

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Science Foundation Bill Faces Fight

OPD Washington Bureau

Republican members of the Senate military affairs committee announced their intentions May 27 to oppose the compromise national science foundation bill (S. 1850) on the grounds that it seeks to impose government control and direction over research in the fields of science, provides basic reforms in the patent laws tending to eliminate the private patent system and impairs the validity of all outstanding contracts where the government holds rights in the form of licenses, assignments and the like.

In a minority report to accompany the bill now on the senate calendar, the republican members charged that the bill "is a link in the chain to bind us into the totalitarian society of the planned state," by placing in the hands of the administrator power to "plan and direct a science program with the full force of $200,000,000 to $300,000,000 per year." The report said:—

Today our educational institutions are proud of their independence and freedom. If in a few years they become dependent upon funds from the federal government (funds over which they will have no control) they will not be able to resist the authority for dictation of this czar of science—the Administrator. Only those schools capable of satisfying one man will receive the federal money.

The events of the war have given a warped perspective to our scientific vision. Many people have been led to think that the mere creation of the Office of Scientific Research and Development produced many wonders of science, but the testimony of the scientists in the hearings show that the war years were years of great exploitation and very little exploration. During the war, immediate technological and military fruits of scientific development were apparent and spectacular, particularly with reference to the atom bomb, but what happened during the war was not, in any proper sense scientific work; it was the exploitation of skills, techniques, fundamental knowledge and, to some extent, human relations between scientists, all of which had been cultivated in the days of peace.

With respect to patents, the group noted that the bill requires the administrator to insure that all patent rights which result from federally-financed research shall be in the possession of the federal government and discoveries given to the public. The theory that the inventor's exclusive right to his discovery shall be protected by patent and he be thus given an incentive to promote the progress of science and useful arts would be destroyed, they said.

There is no limitation in the bill determining where federal money ceases to control the direct, or indirect, results of federally financed research, except the administrator's findings. It would be legally possible, they added, for the government to lay claim to any discovery of a student trained in science from funds made available to the university for equipment.

Potash Deliveries Up In First Quarter

OPD Washington Bureau

The record-breaking schedule of deliveries established by the five major American potash-producing companies during the war has continued through the first quarter of 1946, when 464,598 tons of potash salts containing 259,639 tons of K_2O were delivered, according to the American Potash Institute. Potash deliveries for United States, Canada, Cuba, Puerto Rico and Hawaii follow:—

	—Short tons K_2O— Jan.-Mar. 1946	Jan.-Mar. 1945
Muriate	214,402	176,614
Manure salts	7,130	14,722
Sulphate and sul. pot. mag.	16,846	15,409
Total agricultural	238,378	206,745
Chemical potash	16,282	24,475
Export (other countries)	4,979	543
Grand total	259,639	231,763

Lead Oxide Control Tightened

OPD Washington Bureau

An amendment to the lead conservation order M. 38 to provide for allocation of lead oxide was issued by the Civilian Production Administration, May 29. The action became necessary, it was learned, because of inflated request for the material from the battery manufacturers.

It is understood that the battery makers have applied for supplies sufficient for the production of 22,000,000 batteries, whereas the schedule production of batteries for the year amounted to 16,000,000 batteries.

Potash Salts Under Allocation

Primary potash salts have been placed under complete allocation, effective June 1, by the Civilian Production Administration, in a move to spread the short supplies of this material to meet the needs of the domestic fertilizer industry and other essential consumers. The allocation program is contained in schedule No. 120 to M-300, which is similar to schedule 98 revoked in December, 1945, under which the material was allocated during most of the war period.

Officials planned to make a one-time allocation for the full ten-month period, from June through March, 1947. Consumers are required to file applications covering their needs for this period by June 5 on CPA form 2945. A small order exemption of 50 tons is provided in the order.

It is estimated that the total supply of potash salts for the year will amount to about 800,000 tons, while the screened demand from all sources, exclusive of Japan's and other Far East consumers, from United States supplies approximates 900,000 tons.

German Cosmetic Industry to Be Studied

Trade secrets of the German cosmetic industry will be investigated by Dr. Stephen A. Karas, formerly chief chemist of Helena Rubenstein, Inc., it was announced May 29 by the Department of Commerce. Dr. Karas will leave for Germany by June 1. His trip, under the auspices of the technical intelligence branch of the department, will be financed by interested American cosmetic firms.

German chemists are believed to have developed a number of unique processes in the field of cosmetics and notably for the synthesis of essential oils. Dr. Karas' investigation will cover perfumes, lipsticks, powders, creams, lotions, sunburn preparations, hair dyes, and depilatories. He will also study the manufacture of food flavorings.

Tapioca Flour, Manioc Meal Ceilings Studied

Consideration is being given by the Office of Price Administration to a modification of ceiling prices on tapioca flour and to manioc meal as a result of a meeting held with representatives of importers recently.

At the present time tapioca flour prices are ceiled under a specific price regulation while manioc meal is priced under the maximum import price regulation. No decision, as of May 29, had been reached by the agency on the action taken. Suggestions have been made by industry representatives ranging from higher prices on these products to their complete elimination of price control.

Purchasing Agents Discuss Materials Supply Problems

The problems of securing materials supplied the major theme for discussion at the thirty-first annual meeting of the National Association of Purchasing Agents, held in Chicago, May 27-29. George W. Aljian, director of purchasing and packaging of California & Hawaiian Sugar Refining Corp., Ltd., San Francisco, was elected president. He succeeds Charles L. Sheldon, of the Hood Rubber Company, Watertown, Mass.

The following regional vice-presidents have been elected:—Wayne Al-

Charles L. Sheldon

len, County of Los Angeles, Los Angeles; Ira C. Jared, Sun Oil Company, Dallas, Tex.; E. G. Swanson, the Herman Nelson Company, Moline, Ill.; Robert G. Matley, Whitman & Barnes, Detroit, Mich.; Garnet T. Dickson, the Goodyear Tire & Rubber Company, New Toronto, Canada; Ralph O. Keefer, Aluminum Company of America. Pittsburgh; A. Grant Clark, McWilliams Dredging Company, New Orleans, La.; James A. Cooney, International Salt Company, Inc., New York, and Charles M. Healey, jr., City of Springfield, Springfield, Mass.

In an address prepared by John D. Small, administrator of the Civilian Production Administration, it was brought out that the series of "economy-shaking" strikes through which the nation has been passing will make the next two or three months highly critical.

Mr. Small, who was unable to present has address in person owing to urgent government business, urged the meeting to reduce their buying of scarce items to an absolute minimum. Mr. Small talked over a wire from his desk in the Social Security building in Washington. He said in part:—

The total inventories of our stores amount to less than thirty days' supply," he said.

Our manufacturers carry a stock of goods only for sixty days. Our food supply is even more precarious than these figures indicate. The pantry shelves may look full, but it is a rare household that has more than two days' food on the shelf. The grocery store may look well stocked but no grocery store carries more than a week's supply of staples and no more than a few days' supply of such perishables as bread, meat, dairy products and vegetables."

"An outstanding effect of the strikes," he added, "has been to intensify the same shortages that have been plaguing industry and to create many new ones.

"The reason for the shortage of goods," he explained, "lies in the fortunate fact that consumers are in possession of large amounts of purchasing power for the immediate satisfaction of their wants. They want, very naturally, too much too soon.

Mr. Sheldon, in his annual report to the members, said that the greatest single spur to the nation's economic welfare will not be some postwar science

—*Continued on page 42*

Fertilizer Ass'n Elects Lockwood President

Maurice H. Lockwood has been elected president of the National Fertilizer Association. He will assume

Maurice H. Lockwood

executive direction of the association July 1. He has been a director of the association since 1940, a member of its executive committee since 1943, and chairman of the board during the current year.

From the time of his graduation in agriculture from the University of Connecticut Mr. Lockwood has been actively engaged in agricultural service. He first served as a county agent, then as manager of a farmers' cooperative fruit marketing organization, and more recently as fertilizer research manager of the Eastern States Farmers' Exchange, West Springfield, Mass., with which he has been associated for twenty years.

Breon & Co. Bought By Sterling Drug

Sterling Drug Inc., Delaware, has acquired the entire capital stock of George A. Breon Co., pharmaceutical manufacturers, Kansas City, according to James Hill, jr., president of Sterling Drug. Price of the transaction was not revealed, but it was reported to involve more than $2,000,000.

Mr. Hill said the Breon Co. would continue under the same general management and that Sterling employee policies would be put into effect immediately to serve all Breon employees with group insurance, life insurance, hospitalization and sickness plans.

Lever Bros. Names Luckman President

Charles Luckman, president of Pepsodent since 1943, has been elected president of Lever Brothers Company, Cambridge, Mass. In addition to heading the company's Pepsodent division, Mr. Luckman has since January been executive vice-president of Lever Brothers.

Mr. Luckman, who was thirty-seven years of age May 16, will succeed Francis A. Countway July 1.

Flavoring Extract Makers to Meet

The Flavoring Extract Manufacturers' Association will hold its thirty-seventh annual meeting in the Drake hotel, Chicago, June 3-4.

Gallows Birds Have Election and Hangings

The Society of Gallows Birds gathered in annual conclave in Philadelphia, May 24. In spite of the railroad strike, more than fifty of the "tainted technologists" were there, including fourteen who were awaiting execution.

The trials and the hangings were interspersed throughout the dinner. When the feeding had been finished and the last man hanged, the society, by unanimous ballot and with the blessing of the permanent high gallows bird, elected the following officers for the ensuing year:—

High gallows bird, J. F. Broeker, of E. I. du Pont de Nemours & Co., pigments department, Wilmington, Del.

Attorney-general, Carl J. Schumann, of the Hilo Varnish Corporation, Brooklyn.

Clerk of the court, C. R. Cornthwaite, of the army civilian staff, Washington.

Keeper of the keys, Maj. A. W. van Heuckeroth, Washington.

Chief hangman, Gale C. Smith, of Berry Brothers, Detroit.

Through the efforts of various prosecuting attorneys and more or less capable counsel for the defense, on the unanimous verdicts of their peers, and being sentenced by John C. Moore or C. R. Cornthwaite, alternating on the bench, the following were hanged, five of them individually, the rest en masse, and post-mortemly fined:—

Hugh Craig, of OIL, PAINT AND DRUG REPORTER; Ralph W. Craig, of the Diamond Alkali Company; A. A. Eisenberg, of the Southern Lacquer Company; Ralph H. Everett, of the M. J. Merkin Paint Company; E. C. Fitzgerald; C. E. Heussmer; J. W. Iliff; Harry W. Keenan and Rupert S. Law, both of the British Oil and Colour Chemists Society; W. H. LaWall; E. H. McArdle, of the Standard Oil Company of New Jersey; Capt. F. T. Paden; H. Robinette, jr.; C. Withington.

Adhesives Makers Ask For Ceiling Raise

OPD Washington Bureau

As a result of the recent action of the Department of Agriculture in raising the ceiling price of soybean meal the Office of Price Administration is now studying a possible adjustment in ceiling price on adhesives made from the meal. Members of the adhesives industry have been requested by the agency to supply certain information as to costs, etc., to enable the OPA to make a decision.

Because the sudden increase in soybean meal ceilings is pressing so hard against the ceilings on adhesives a suggestion is being studied that the adhesives manufacturers be immediately allowed to sell their products at existing ceilings, with a provision in their contracts that the prices are subject to adjustment later should OPA decide to lift the ceilings on adhesives.

Potash Sulphate Spot Sales Ceiling Revised

OPD Washington Bureau

An amendment to RMPR 205 to establish maximum prices on spot sales of potash sulphate brought into the country was issued by the Office of Price Administration to become effective June 1.

The amendment changes section 29 of the price order to read as follows:—

The maximum price that may be charged for spot sales of domestic sulphate of potash (basis 90 percent K_2SO_4), in bulk, shall be $39.25 per ton, West Coast potash ports, and $36.25 per ton, other potash ports, basis ex-vessel the potash port which has the lowest carload rail freight rate on potash to destination, plus the customary delivery charges from the end of the ship's tackle to the buyer's destination.

N.E. Chemical Club Hears Dr. Arnold

The Chemical Club of New England was addressed at its regular meeting and dinner at the Parker House, Boston, on May 27 by Dr. Samuel T. Arnold, dean of Brown University Dr. Arnold's subject was "Personalities Behind the Bomb." A. A. Lawrence, of the Dow Chemical Company, president of the club, announced at the dinner that the first annual outing of the club would be held on Thursday, July 11, at the Woodland Country Club, Auburndale, Mass.

Ethyl Alcohol Ceiling Raised on Coast

Manufacturers' ceiling prices for West coast Ethyl alcohol have been again increased an average of 2.7 cents per gallon by the Office of Price Administration. The increase is to take care of increases of $3 granted at the same time for Hawaiian molasses, in a move to maintain supplies of this product.

New ceilings range from 53.3 to 59 cents per gallon, f.o.b. works in tankcars or tank trucks. Undenatured ethyl alcohol will have a ceiling of 53.5 cents and the ceiling for premium grade, pure, will be 55.5 cents.

The new ceilings for Hawaiian molasses per ton in tankcars, f.o.b. West Coast ports of entry are:—$24.78 when sold for use in making ethyl alcohol; $26 when sold to feeders and feed makers; $25 when sold to other industrial users, and $23.20 when sold to intermediate distributors.

The increases became effective May 31.

Customs Cases High Court Certification Asked

Representative Raymond S. Springer of Indiana introduced a bill (H. R. 6583) in the house May 27 amending section 239 of the Judicial Code to provide for the certification of questions or propositions by the United States Court of Customs and Patent Appeals to the Supreme Court of the United States in customs cases.

At present, under existing law, this same method of procedure is recognized insofar as circuit courts of appeals, and the United States Court of Appeals for the District of Columbia is concerned.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

May 29, 1946	May 23, 1946	June 1, 1945
135.4	135.1	132.4

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Under the effects of the various troubles with which business is afflicted sellers in the markets for chemicals, oils, and drugs were inclined to boost prices wherever such action did not clash with official requirements.

Prices were advanced on quicksilver, menthol, methyl abietate, methylethyl ketone, oils of bois de rose, lemongrass, spearmint, and apricot kernel, arnica, asafetida, burdock, jalap, matricaria, and simarubra.

Prices were reduced on oils of bergamot and cade, areca, digitalis, hyssop, linden, valerian, star anise, caraway, and poppyseed.

Calcium Carbonate Price Ruling Made

The Office of Price Administration has exempted calcium carbonate for feeding purposes from price control at all levels of distribution. The action became effective May 29.

Recent Imports

ALOE—15 cs, S B Penick & Co
ANNATTO SEED—19 bgs, Wm M Allison & Co; 32 bgs, H Kohnstamm & Co
ARABIC GUM—400 bgs, Innis, Speiden & Co; 250 bgs, Chemical Bank & Trust Co; 500 bgs, Brown Bros-Harriman Co; 500 bgs, Chase National Bank & Trust Co; 500 bgs, Kachurin Drug Co; 1,006 bgs, Thurston & Braidich; 110 bgs, S B Penick & Co; 250 bgs, Frank Vliet Co; 500 bgs, Bank of London-South America; 250 bgs, Paul A Dunkel & Co; 200 bgs
ARECA NUTS—80 bgs, E Meer & Co
ARGOLS—1,253 bgs, Commodity Credit Co
ARNICA FLOWERS—15 bls, E Meer & Co; 5 bls, R J Prentiss & Co
ARROWROOT—2,007 bgs, Morningstar-Nicol, Inc
BABASSU KERNELS—1,000 bgs, Spencer Kellogg & Sons
BALATA—30 cs, H A Astlett & Co; 123 cs, Chicle Development Co; 620 blocks, 375 bls, Littlejohn & Co; 310 blocks, Herman Weber & Co; 100 cs, Earle & Co; 50 cs, Hecht, Levis & Kahn; 1,282 blocks, 4 cs, Wessel, Duval & Co; 730 blocks, New York Trust Co; 524 blocks, Bank of New York; 402 blocks, Littlejohn & Co; 115 bls, H A Astlett & Co; 84 bls, Wessel, Duval & Co
BAY OIL—5 dms, P R Dreyer; 2 dms, Barclay Bank
BEES WAX—156 blocks, T F Grant; 527 blocks, General Wax Refg Co; 175 blocks, Cornelius Products Co; 415 pkgs, L Luzzatta
BONE GLUE—600 bgs, Wessel, Duval & Co; 400 bgs, Transatlantic Animal By-Products, Inc
BONES—2,252 bgs, Armour & Co
BRUCINE—4 cs, C L Huisking & Co
CARNAUBA WAX—11 bgs, Morris Hess & Co; 2,035 bgs, S C Johnson & Son; 34 pkgs, Wessel, Duval & Co; 134 bgs, American Cyanamid & Chemical Corp; 333 bgs, Fred Henjes, jr; 70 bgs, Cornelius Product Co; 191 bgs, Enco Chemical Co; 218 bgs, Wessel, Duval & Co; 113 bgs, W R Grace & Co; 195 bgs, Natural Product Corp; 158 bgs, Wax & Rosin Product, Inc; 121 bgs, Wm Diehl & Co; 150 bgs, Wm M Allison & Co; 25 bgs, Herman Hollander, Inc; 163 bgs, Baird Rubber & Trade Co; 166 bgs, Smith & Nichols; 55 bgs, Strahl & Pitsch; 1,933 bgs, American Cyanamid & Chemical Corp
CASTOR BEANS—6,872 bgs, Spencer Kellogg & Sons; 36,209 bgs, Baker Castor Oil Co; oil, unrefined, 177 dms, Balfour, Guthrie & Co
CELERY SEED—72 bgs, Joensson & Cross
CERAMIC COLORS—13 cs, Croxall Chemical & Supply Co
CHAMOMILE FLOWERS—14 bls, S B Penick & Co; 33 bls, R J Prentiss & Co; 10 bls, Allaire, Woodward & Co
CHICLE GUM—23 cs, C E Wood, Inc; 64 cs, Herman Weber & Co; 00 bales, Mexican Exploitation Co; 8 bls, Wm Wrigley Co; 525 bls, Chicle Development Co; 231 bls, H A Astlett & Co
CHILLIES—200 bgs, Gillespie & Co; 927 bgs, Balfour, Guthrie & Co; 519 bgs, Standard Bank of South Africa
CHROME ORE—1,801 tons, E J Lavino & Co; 4,600 tons, Mutual Chemical Co
CINNAMON—112 bls, Wessel, Duval & Co; 511 bls, Ernest S Klinko; 196 bls, Kane Import Corp; 64 bls, Dodwell & Co; 471 bls, Holland Colombo Trade Society; 39 bls, Gillespie & Co; 247 bls, Gillespie & Co; 768 bls, Volkart Bros
CLOVES—250 bls, Dodge & Olcott Co
COCOABUTTER—1,667 bgs, Ernest Adler Co; 10 cks, Westfeldt Bros
COLOMBO ROOT—184 bgs, E Miltenburg, Inc
COLUMBITE—920 bgs, Balfour, Guthrie & Co; 1,120 bgs, E J Lavino & Co
CORN, GLUCOSE, LIQ—102 cks, Eugene Lang, Inc
COTTONSEED HULL FIBER—1,066 bls, Hercules Powder Co
COTTONSEED OIL—563 dms, Commodity Credit Co
CRESYLIC ACID—100 dms, Schenectady Varnish Co; 100 dms, R W Greef, Inc; 135 dms, Republic Chemical Corp; 352 dms, Monsanto Chemical Co
CUMIN SEED—161 bgs, W E Martin Co
CUTTLEFISH BONES—100 cs, J B de Macedo & Co
DEXTRIN—200 bgs, T M Duche & Sons; 200 bgs, Wessel, Duval & Co
DYES, ANILIN—21 dms, Ciba Co; 10 dms, 8 cs, Sandoz Chemical Works; 11 bbls, Carbic Color & Chemical Co
DOGWOOD BARK—58 bgs, Parke, Davis & Co

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Late Markets

Mint Oil Price Ceilings Revised

The maximum prices for sales by dealers of natural and U.S.P. redistilled oil of peppermint in drums of 400 pounds capacity are $7.50 per pound and $8.05 per pound, respectively, effective May 24. Dealers maximum price for natural oil of spearmint is $5.50 per pound, according to OPA announcement. Other changes in essential oils later in the week included lower quotations for U.S.P. coriander oil at $19 per pound and Bourbon geranium oil at $16.25 per pound.

Surplus Oils Sales

Sales of surplus stocks of the following oils were recently made, f.o.b. point of location, by the production and marketing administration, Department of Agriculture:—

	Pounds	Per pound
Castor oil	40,280	0.20
Lard oil	203,885	0.10 -0.13
Linseed oil, boiled	27,287	0.1640-0.1820
raw	40,275	0.1570-0.1710
Neatsfoot oil	3,202	0.15
Peanut oil	12,276	0.1670
Sperm oil	33,142	0.1306

Sabadilla Seed Up

Excellent demand from insecticide manufacturers caused sabadilla seed powder to advance to 53c. to 65c. per pound, as to seller. Hydrangea root returned to trading at 22c. to 23c.

Menthol Strong

Menthol ended the short week in strong position following a swift price rise to $6.25 to $6.30 per pound.

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APhMA Convention Program Set

The thirty-ninth annual meeting of the American Pharmaceutical Manufacturers' Association at Chateau Lake Louise, Alberta, Canada, June 10-12, at which, for the first time, the Canadian Pharmaceutical Manufacturers' Association will collaborate, will be featured by a session of the two associations and the Canadian Medical Association, which is meeting concurrently at the Banff Springs Hotel.

The program for the joint sessions of the two associations is as follows:—

Monday, June 10

Morning Session

Opening addresses by Gerald F. Rorer, executive vice-president of William H. Rorer, Inc., Philadelphia, and president of the American group; R. H. Thompson, manager of E. B. Shuttleworth Chemical Company, Ltd., Toronto, and president of the Canadian association, and Charles W. Dunn, general counsel for the American association.

"The Veteran in Industry," Charles F. Shook, medical director, Owens-Illinois Glass Company, Toledo, Ohio.

Afternoon Session

"Medical Problems Today," Dr. R. P. Vivian, chairman of the department of health and social medicine, McGill University.

"Evaluation of Modern Pharmacy," Dr. R. F. Farquharson, head of the department of therapeutics and assistant professor of medicine, University of Toronto.

"Amino Acids," Dr. Sidney W. Fox, assistant professor of chemistry, Iowa State College.

"Nutrition in Peace and War," Dr. Robert S. Goodhart, scientific director, National Vitamin Foundation.

Evening Session

Welcoming addresses by Dr. Leon Lajoie and Dr. Wallace A. Wilson, president and president-elect, respectively, of the Canadian association, and responses by Mr. Rorer and Mr. Dunn.

Tuesday, June 11

Morning Session

"Comparison of United States and Canadian Drug Laws," Dr. G. D. W. Cameron, acting director of health services, Department of National Health and Welfare, Ottawa.

"Medical Lessons from the War," Brigadier J. H. Palmer, assistant professor of biochemistry, McGill Univer- and consulting physician for the Canadian Army Overseas.

"Marketing Problems," J. L. Rogers, director of the medical service department, Pitman-Moore Company, Indianapolis.

Evening Session

"Pharmaceutical Research—the Past and Future," Dr. D. L. Thomson, dean of the faculty of graduate studies and professor of Biochemistry, McGill University, to be given at annual dinner.

Wednesday, June 12

Morning Session

"Latest Facts About De-Ionized Water," W. S. Morrison, research director, Illinois Water Treatment Company, Rockford, Ill.

Report of committee on social and economic development, F. A. Lawson, chairman.

Report of committee on industry and business policy, Ronald Helps, chairman.

Report of committee on scientific research, Dr. R. J. Fosbinder, chairman.

Election of officers.

Freight Rates Increase Upheld in Federal Court

A three-judge Federal Court in Utica, N. Y., last week upheld an order of the Interstate Commerce Commission that would increase railroad class freight rates 10 percent in the North and East and reduce them a like amount in the South. The final decree sets aside the petitions of nine Northern and Eastern States and thirty-three Western railroads, and becomes effective July 24, unless an appeal is taken to the United States Supreme Court.

Socony-Vacuum Gets $75,000,000 Credit

The Socony-Vacuum Oil Company has concluded negotiations for a $75,000,000 bank credit ending July 1, 1948. The Chase National Bank heads the group of thirty participating banks. The credit may be converted into either five or ten-year loans on or before the termination date.

Lead Pigment Industry Sales Practices Defended

OPD Washington Bureau

Present practices of the lead pigment industry of selling its products on a delivered price basis which are uniform within respective geographical regions were defended before the Federal Trade Commission May 27 by industry members named parties to a complaint issued by the commission charging them with violation of the Federal trade commission act.

The commission's complaint charging the National Lead Company with attempting to monpolize the lead pigment business and other members of the industry with engaging in price fixing practices drew answers from the defendants denying all of the allegations set forth by the commission.

Hearings in the case have been tentatively set to begin at the commission's headquarters here June 17.

Contrary to the charges of the commission, the defendant companies insisted that the lead pigments business is and has been a highly competitive business and that the companies never have been able to make any sales unless they sold their lead pigments at each time and place at competitive prices and allowed terms and freight credits as favorable as those allowed by other competitors.

The Glidden Company told the commission that its "pricing of lead pigments has not at any time or at any place or to any extent whatsoever been the subject of any agreement or understanding, express or implied, with any of the other respondents or with any other seller of lead pigments, but has at all times been actuated and motivated solely by this respondent's self-interest in meeting competition and continuing to engage lawfully and profitably in the lead pigments business." In further answer to the complaint, the company stated:—

This respondent denies that its prices have involved discrimination between any purchasers in competition with one another and denies that its pricing of lead pigments has in any way substantially lessened competition or tended to create a monopoly, or to injure, destroy or prevent competition, and avers that in every instance, if any such there have been, where this respondent's price to one of its competing customers has been lower than its price to another of its competing customers of the same class for similar goods, its lower price was made in good faith to meet an equally low price of a competitor, or the difference in price has made only due allowance for differences in this respondent's cost of manufacture, sale or delivery resulting from the differing methods or quantities in which such commodities were sold or delivered to such purchasers.

Sherwin-Williams Company, in its answer to the complaint, offered three special defenses. In its first special defense, the company alleged that its pricing activities which are charged with constituting violations of the Federal trade commission act and of the Clayton act were initiated many years ago, and have been pursued subsequently, in a good faith effort to successfully compete, in price and otherwise, with other sellers of lead pigments.

In its second defense, the company alleged, contrary to the allegations of

—*Continued on page 42*

Cuba Reported Ready To Sell Sugar Crop

OPD Washington Bureau

A Cuban commission now in Washington is prepared to accept, with one proviso, the offer made by the United States for purchase at 3.675 cents a pound of the 1946 and 1947 Cuban sugar crops, estimated at 8,000,000 to 9,000,000 tons, according to David M. Keiser, chairman of the United States Cuban Sugar Council.

The commission, however, made known its opposition to proposed Washington legislation which, if enacted, "would have the effect of eventually reducing the annual importation of Cuban sugar to a fraction of the amount the United States now seeks."

Washington Talks It Over

The OPD Observer

There are many signs that Congress is becoming impatient over the failure of the President to set an early date for declaring the end of the national emergency, and it is possible that there may be a showdown on the issue before adjournment. It is within the power of Congress to terminate the war itself, if the President fails to do so, by the passage of a concurrent resolution to that effect which needs only the majority vote of both houses and becomes effective without the signature of the President.

The administration admits that it is concerned over this growing movement, and the basis for the concern stems from the fact that the movement generates from the house judiciary committee which ordinarily is considered one of the most conservative groups in Congress and the least likely to do things that would interfere with the program of the government. Because this committee has gone so far as even to consider the question without first taking the administration into its confidence gives support to the belief that sentiment is very strong for a prompt ending of the emergency.

Practically all the laws passed during the war would automatically expire upon the termination of the national emergency or a few months thereafter. These include such things as the war taxes, export and import controls, allocation of scarce materials, and, not the least important, the authority of the government to make use of some of treasury's silver hoard for industrial purposes. Much of the silver was used in the atomic bomb development and under the law has to be returned to the treasury within three months after the termination of the war. That would mean virtually the immediate closing down of the Manhattan project.

Workweek Cuts Approved

Employers will be permitted to reduce the length of their workweek during the Summer months without first having to obtain the approval of the National Wage Stabilization Board. A reduction in the workweek without a corresponding reduction in wages is, in effect, an increase in wages and ordinarily would have to be approved by the board. But because it is to be a temporary arrangement, the board will interpose no objections.

Since the resumption of a longer workweek might be considered as constituting a wage decrease, the board says it will not object to this "increase" either. But it must be clearly understood between the employer and the workers that the workweek is being reduced only as a temporary matter and that the presummer schedule is to be resumed.

The Bureau of Internal Revenue has extended the same blanket approval to these workweek changes without corresponding changes in pay to employees whose salary adjustments are under the jurisdiction of the commissioner.

Penicillin Sales Halted

Some drug manufacturers have been stepping over the line in their efforts to sell penicillin products. Either knowingly or unwittingly the sales representatives of some of these firms have been advising prospective customers that it is permissible to sell penicillin troches over the counter without a prescription.

The Food and Drug Administration has heard about it and warns manufacturers that this is against the law. It is the view of FDA that the over-counter sale of any form of oral penicillin violates section 301(k) of the food, drug, and cosmetic act.

Buying Reserve Is Big

If price-controls are removed and consumers and businesses decide to go

—*Continued on page 36*

NAIDM to Meet in French Lick June 17

The thirty-second mid-year meeting of the National Association of Insecticide and Disinfectant Manufacturers Association will be held in French Lick, Ind., June 17-19. The tentative business program follows:—

Monday, June 17

Morning Session

Address of president, N. J. Gothard, Sinclair Refining Company.

Report of secretary, H. W. Hamilton, Koppers Company, White Tar Division.

Report of legislative committee, W. J. Zick, Stanco, Inc.

Report of general counsel, John D. Conner, Washington, D. C.

"Uniform Insecticide Regulation," S. R. Newell, Assistant Director, Production & Marketing Administration, Department of Agriculture, Washington.

"Aerosol Marketing," L. W. Ward, Sparklet Devices, Inc.

Forum on "Insecticide Problems"—Leader: Ira P. MacNair, MacNair-Dorland Co., Inc.

Afternoon Session

"Appraisal and Potential Danger of Petroleum Solvents with Special Reference to Particle Size," Dr. J. L. Svirbely, U. S. Public Health Service, Bethesda, Md.

"Live Stock Sprays," Dr. Ray L. Cuff, National Livestock Loss Prevention Board, Kansas City.

"Toxicity of DDT Sprays on Livestock," Dr. H. S. Telford, Dr. Hess & Clark, Inc.

"The Kettering Report," Dr. Victor Froelicher, Geigy Company, Inc.

"A Synopsis of Experimental Work on the Toxicity of DDT," Dr. Paul A. Neal, medical director, and Dr. W. F. von Oettingen, chief industrial toxicologist, Industrial Hygiene Research Laboratory, Public Health Service, Bethesda, Md.

Tuesday, June 18

Morning Session

"Requirements for Approval of Floor Finishes," E. C. Singler, Maple Flooring Manufacturers Association, Chicago, Ill.

"Dry Cleaning Soaps," Alexander Fabry, Adco, Inc.

"Cold Sanitization of Food Utensils," Dr. Walter L. Mallman, Michigan State College, Lansing, Mich.

"The Carnauba Wax Situation," Dr. Edgard de Mello, Brazilian Embassy, Washington.

"A Discussion of the T.I.I.C. Report No. 11173 on the Economic Study of German Synthetic Waxes," J. Vernon Steinle, research and development director, S. C. Johnson & Son, Inc., Racine, Wis.

"Chemistry of Today," L. F. Livingston, E. I. du Pont de Nemours & Co., Wilmington, Del.

Wednesday, June 19

Morning Session

"The Nutrition of Microorganisms for Test Purposes"—Dr. Carl E. Brewer, Chief, Nutrition Br., Army Service Forces, Frederick, Md.

"Considerations in Evaluating Germicides"—Dr. Paul A. Wolf, Dow Chemical Company.

"Comparative Studies on the Bacteriostatic and Bactericidal Action of Quaternary Ammonium Compounds," Dr. E. G. Klarmann, Lehn & Fink, Inc.

"Evaluation of Quaternary Ammonium Compounds as Disinfectants," Dr. Adrian DuBois, Onyx Oil & Chemical Company.

"Testing the Germicidal Activity of Quaternary Ammonium Compounds," Dr. H. Bernstein, Emulsol Corporation.

Bleaching Process Aids High-Grade Soap Making

Crude fats normally used to make only the harsher laundry soaps are now being employed to make high grade soaps and soap flakes, as the result of a bleaching process developed by the Mathieson Alkaly Works, New York, according to G. P. Vincent, technical director of the company. The new process, which makes use of sodium chlorite, was developed as a result of the wartime shortage of fats and oils, and has been used successfully on a commercial scale for about a year.

Heretofore, chemical methods have rarely been used for improving the color of fats, because of the fear that the soap-making qualities of the fat might be unfavorably affected, according to Dr. Vincent. With sodium chlorite bleaching, however, there is no chemical deterioration of the fat and both color and odor are greatly improved. Moreover, the yield of tallow is considerably greater than when filtration and absorption methods of color removal are used.

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AMP is an especially desirable emulsifying agent for making emulsion-type coatings . . . and for pastes, cleaners, polishes, dressings and other emulsions . . . where its contribution to excellent water resistance, gloss and hardness of dried film is a distinct advantage.

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With its advantage of low combining weight (89.14) and its ability to emulsify a wide range of materials, AMP may prove to be the answer to your emulsification problem. Write for additional data.

Properties of AMP

Molecular Weight	89.14
Boiling Point	165 C at 760 mm
Specific Gravity	0.934 at 20 C/20 C
pH at 20 C of 0.1 M Solution	11.3
Vapor Pressure at 20 C	Approx. 1 mm
Flash Point (Tag. open cup)	159 F
Index of Refraction at 20 C	1.449

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Standards Ass'n Names New Executive Group

The American Standards Association has formed a new executive committee which will have to do with the financial, administrative and executive direction of the association. The committee is headed by Howard Coonley, former president and board chairman of the Walworth Company, N. Y., and a former president of the association.

Serving with Mr. Coonley on the executive committee are the following:—Henry B. Bryans, President ASA and Executive Vice-President Philadelphia Electric Co.; Frederick R. Lack, Vice-President ASA and Vice-President Western Electric Company; Clarence L. Collens, Chairman of the Board, Reliance Electric and Engineering Company; George H. Taber, Jr., President, Sinclair Refining Co.

Lignite Research In No. Dakota Asked

A bill (H. R. 6519) providing for establishment and operation of a research laboratory in the North Dakota lignite region has been introduced in the house by Representative Charles R. Robertson of North Dakota.

The laboratory would conduct an investigation of the mining, preparation, and utilization of lignite, the development of new uses and markets, improvement of health and safety in mining, and make a comprehensive study of the region to aid in the solution of its economic problems.

Polymer Research Clinic Scheduled

To provide a direct service for chemical industries, a coordinated series of five Summer laboratory clinics in those fields of graduate polymer study in which no compact instruction is available has been announced by the Institute of Polymer Research of the Polytechnic Institute of Brooklyn.

Amer. Soybean Ass'n To Meet August 29-31

The annual convention of the American Soybean Association will be held in St. Louis, August 29-31. Headquarters will be at the Jefferson hotel.

In Metals Society Post

Dr. William A. Mudge, assistant director of the technical service of the development and research division of the International Nickel Company, New York, has been elected chairman of the New York chapter of the American Society for Metals.

Wax from Lignite Brown Coal Discussed

OPD Washington Bureau

A wax derived from lignite brown coal and considered valuable for its high melting point (100° C.) and electrical insulating properties, is described in a report on the German montan wax industry, just released by the Office of the Publication Board of the Department of Commerce. The report was made by investigators for the British Intelligence Objectives Sub-Committee.

The wax, made at the I. G. Farbenindustrie's plant at Oppau, has been used for insulation in condensers, for preserving eggs and fruit, and for polishing coffee beans in Germany. Being paraffinic, the wax could be mixed with other paraffin waxes of lower melting points for use as a protective coating for cartons. The manufacturing method for this wax is described in the report.

Also described in the report are waxes used for emulsions, shoe polish, floor polish, typewriter carbon papers, as a substitute for natural beeswax, and other purposes.

Agricultural Research Costing $4,500,000 Annually Proposed

OPD Washington Bureau

A broad program of agricultural research which would assure agriculture a position in research equal to that of industry is proposed in a bill (H. R. 6548) being sponsored before the house committee on agriculture by Representative John W. Flannagan of Virginia, committee chairman. The bill is understood to have been drafted by the farm organizations and a copy also has been introduced in the senate by Senator John Bankhead of Alabama.

It would provide the Department of Agriculture with an annual appropriation of $3,000,000 for each of the next five fiscal years for its research program and an additional appropriation of $1,500,000, annually over the same period to further the present programs of cooperative agricultural extension work and the more complete endowment and support of land-grant colleges.

The bill directs the Secretary of Agriculture to stimulate research into the laws and principles underlying the basic problems of agriculture in its broadest aspects, including but not limited to:—

Research relating to the improvement of the quality of, and the development of new and improved methods of the production, marketing, distribution, processing, and utilization of plant and animal commodities at all stages from the original producer through to the ultimate consumer.

Research directed towards improvement of the operation of the marketing system to eliminate waste and inefficiency and thereby to reduce the relative cost to the consumer.

Research into the problems of human nutrition and the nutritive value of agricultural commodities, with particular reference to their content of vitamins, minerals, amino acids, and all other constituents that may be found necessary for the health of the consumer and to the gains or losses in nutritive value that may take place at any stage in their production, distribution, processing, and preparation for use by the consumer.

Research relating to the development of new and extended uses and markets for agricultural commodities and byproducts as food or in commerce, manufacture, or trade, both at home and abroad, with particular reference to those foods and fibers for which our capacity to produce exceeds or may exceed existing economic demand.

Research relating to new and more profitable uses for our resources of

—*Continued on page 41*

Materials Stockpiling Bill Passes House

OPD Washington Bureau

A new version of the strategic and critical materials stockpiling bill was passed by the house May 25 and sent back to the senate for concurrence in house amendments.

The bill (S. 752), while following closely the form of the bill passed last December by the senate, differs in four major respects as follows:—

Instead of establishing a new agency to administer the stockpiling program, it is provided for administration by the Secretary of War and the Secretary of the Navy, as in the original 1939 act.

Instead of authorizing appropriations without limit, the house has limited the authorizations to $1,800,000,000, with a specific limitation of $360,000,000 in each of the next five fiscal years.

Instead of requiring that funds received on account of sales of materials be covered into the Treasury as miscellaneous receipts, it is provided that any such funds shall remain available for expenditure for later purchases.

A provision in the senate bill which would have permitted duty-free importation of materials purchased from foreign sources for stockpiling was deleted.

ASTM Program For Annual Meeting Set

In addition to the twenty-three formal technical sessions which are part of the technical program for the Forty-ninth Annual Meeting of the American Society for Testing Materials in the Hotel Statler, Buffalo, June 24 to 28 inclusive, there will be more than 200 meetings of the society's technical committees. The seventh exhibit of testing apparatus and related equipment will be in progress. and the annual photographic exhibit also will be held.

More than 150 technical papers and reports by the country's leading authorities in the field of materials are scheduled, many of them to comprise parts of symposiums.

The Edgar Marburg Lecture at 4:30 p. m. June 26 is to be delivered by Dr. J. J. Mattiello, of the Hilo Varnish Corporation, Brooklyn, on the subject "Protective Organic Coatings as Engineering Materials."

Paint Pigments Standards List Is Broadened

OPD Washington Bureau

Two new dry paint pigments have been added to the National Bureau of Standards' samples for color and tinting strength, making twenty-six that are now available. The new ones are NBS No. 324, ultramarine blue, Federal specification TT-U-450, and NBS No. 325, iron blue, Federal specification TT-I-677. The price is $2 per sample.

Association Meetings

American Dairy Science Association, Ames, Ind., June 18-20.
American Leather Chemists Association, Lake George, N. Y., June 19-21.
American Pharmaceutical Manufacturers' Association, Chateau Lake Louise, Alberta, Canada, June 10-13.
American Plant Food Council, Hot Springs, Va., June 22-25.
American Society for Testing Materials, Statler hotel, Buffalo, N. Y., June 24-28.
American Society of Agricultural Engineers, St. Louis, June 24-26.
Chemical Institute of Canada, Royal York hotel, Toronto, June 24-26.
Metal Powder Association, Waldorf-Astoria hotel, New York, June 13.
National Association of Chain Drug Stores, Manor Richelieu, Murray Bay, Canada, June 10-12.
National Association of Insecticide and Disinfectant Manufacturers, French Lick, Ind., June 17-19.
National Fertilizer Association, French Lick, Ind., June 10-12.
Synthetic Organic Chemical Manufacturers Association, Seaview Country Club, Absecon, N. J., June 12-13.

Mineral Deposits Data Available

The geological survey of the Department of the Interior is making available the following maps and data:—

"Map of the Berea and Murrysville Sands of Northeastern Ohio, Western Pennsylvania and Northernmost West Virginia," at 60 cents each.

A report and large-scale geologic maps on the fluorspar deposits of the Jamestown district, Boulder County, Col., which may be obtained for $2 at the Colorado Scientific Society, 906 U. S. National Bank building, Denver 2.

On China Mission

Dr. Robert R. Williams, who collaborated in the isolation of vitamin B-1, was enroute to China last week, where he will set up a process of enriching rice with B-1 to eliminate the beri-beri. He is setting up the project under the auspices of the American Bureau for Medical Aid to China.

Industrial Applications of Chemicals and Related Materials

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Dodecanealphathiol

Chemical—New organic compound offered (U.S. 2230390) as interesting for research and development.

Export Sales Head

Frank T. Shanahan, who before the war was a member of the sales staff of Innis, Speiden & Co., New York, has been appointed manager of the export sales division of the company. He recently was released from the Army with the rank of Major.

3-Ethyl-5-anilinomethylene-2-thio-2:4-oxazoledione

Photographic—Starting point (Brit. 517769) in making sensitizing dyes for silver halide emulsions with morpholin or piperidin.

3:5:6:3′:5′:6′-Hexachlorodihydroxydiphenylmethane Barium Salt

Disinfectant—Claimed (Brit. 557097) as bactericide.

Insecticide and Fungicide—Claimed (Brit. 557097) as fungicide.

Quinoidine Sulphate

(Additional uses—see the book, Uses and Applications of Chemicals and Related Materials.)

Metallurgical—Starting point (Brit. 442885) in making corrosion inhibitors, for use in metal pickling and cleaning baths, by reacting with carboxylic acids or their anhydrides.

Thialdin

Chemical—Suggested for use as heterocyclic intermediate.

Suggested for use in making pharmaceutical chemicals, rubber chemicals, and other organic compounds.

Dye—Suggested for use in making dyestuffs.

Insecticide and Fungicide—Suggested for use in making insecticides.

Toxicant (U.S. 2273664) in pest-controlling compositions.

OPD—6-3-1946

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Current Market Quotations Chemicals and Related Materials

May 29, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .56 - —
smaller lots, works.....lb. .58 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - —
l.c.l., dlvd.....lb. .07½- —
tanks, dlvd.....lb. .06 - —

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.06 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 58%, bbls..100 lbs. 3.33 - 3.63
50%, bbls.....100 lbs. 5.38 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.73
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.98 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.00 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .06 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and casks are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .50
standard USP, fine cryst., gran. (20-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .36½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs.....lb. .30 - .33

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.33 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.80 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls.. 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Broenner's bbls.....lb. 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .23½- .26½
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .96
l.c.l., same basis....gal. .83 - .96
tanks .....gal. .75 - .90
Petroleum, heavy grade (247°-296°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref..gal. .636 - —
tanks, dlvd.....gal. .556 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (320°-246°), dms., 20, Cal. ref..gal. .59 - —
Sewaren, N. J., ref..gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Salt, fib., dms., c.l., works.lb. 1.00 - —
l.c.l., works.....lb. 1.10 - 1.20

Diethylbarbituric (see Barbital).

F (see Acid, monosulphonic).

Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40

Glycolic (see Acid, hydroxyacetic).

H, bbls.....lb. .63½- .65
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd.E..lb. .48 - —
tech., 40%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37

Hydrochloric (see Acid, Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .84
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .12½- —
Hydrofluosilicic, 30-35%, bbls.lb. .06 - .09
Hydroxyacetic, 70% tech., bbls., non-return. Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77

Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
50%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15½
80%, bbls., cbys., 5 or less. lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP XIV, 75%, cbys.....lb. .53 - .55

Acid, lauric, dist., 95%, dms.lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .23
Maleic, powd., dms.....lb. .90 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots, works..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.20
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0095- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 98-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .13 - —
Nicotinic, USP, dms, works. kilo. 6.50 - 6.80

Nicotinic amide (see Nicotinamide).

Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11¼- —
smaller lots.....lb. .12½- —
Palm oil,[1] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.85 - 1.95
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.50
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.05
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., dlvd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .36 - —
smaller lots.....lb. .38 - .44
Sebacic, tech., dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - .52
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16¼
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .18¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19¼- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.80 - —

Acid, sulphuric, CP, USP, consumers cbys. extra..lb. .06 - —
9-lb. bots., ca. extra...lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., ca. extra...lb. .09½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.39
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .32½- —
smaller lots.....lb. .33 - —
kgs. .....lb. .33½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .85 - .90
Trichloroacetic, bots.....lb. 2.00 - 2.80
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.30 - 1.35
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.60 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .26½- —
tanks, works.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .83 - .84
pharmaceutical, dms., works. lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.99 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.00 - 1.50
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .95 - —
Butyl, normal,[1] ferment., fil., Ind. prod., dms., c.l., frt. alld..lb. .2810- —
l.c.l., frt. alld. E....lb. .2800- —
tanks, frt. alld. E....lb. .2210- —
tankwagons, frt. alld.lb. .2200- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ¼c. per lb. higher.

secondary, dms., c.l., dlvd.lb. .095 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12¼- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.85 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E. dlvd.....gal. .543 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .653
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .66½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —

SD23G, dms., c.l., works..gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .583 - —

SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .65½
tanks, E. works.....gal. .54 - —

SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .62 - —
l.c.l., works, E.....gal. .66½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD23 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .62 - —
l.c.l., works, E.....gal. .65 - .69
tanks, E. works.....gal. .54 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, diacetone, acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .13 - .15
tanks, divd.....lb. .10½- .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb. .10 - .13½
Ethyl, 190 pf., dms., c.l., wks. gal.17.12½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.06½- —
absolute, dms., c.l., works.gal.18.07½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.06½- —
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works .....lb. .22½- —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works...lb. .0960- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .58 - —
l.c.l., divd.....gal. .61 - —
tanks, divd.....gal. .51½- —
90%, dms., incl., c.l., divd.. gal. .41½- —
l.c.l., divd.....gal. .44½- —
tanks, divd.....gal. .33 - —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl)
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.80 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .68 - .70
type B, fiber-pack, same basis. lb. .66 - .68
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works, gal. .63 - —
tanks, works .....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .35 - —
dms., c.l., Waverly, N. Y...lb. .49 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.30 - —
Aletris root, bgs.....lb. 2.75 - 3.00
Algarobilla,[1] c.l., ex dock.... long ton.80.00 -82.50
Algarobilla price based on ocean $12 and $1 insurance per long ton. frt. at
Algin, bbls., fib. dms.....lb. .74 - 1.00
Alizarin (see Red, Alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, futures, bgs., lb. .18 - .18½
Allyl bromide, chys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd ...lb. .13½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs. .....lb. .47 - .48
Socotrine, kgs. .....lb. .43 nom
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.60
Alphanaphthol, bbls.....lb. .82 - —
Alphanaphthylamine, bbls.....lb. .82 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .33½- .36½
Alphapinene, dms., c.l., wks..gal. .80½- —
l.c.l., works.....gal. .91½- —
tanks, works.....gal. .86½- —
Alphaterpineol, dms., c.l., works. lb. .1240- —
l.c.l., works.....lb. .1260- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls....lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
grns., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, grns., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. 12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .25 - .27
top grade, ground, kgs., works lb. .60 - .67
unclassified, ground, kgs., works..lb. .16½- .46
Acetate, basic solution, 24%, bbls., divd..lb. .10½- .11
20%, bbls., divd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l. works.....lb. .09 - .13
cryst., com'l, dms., c.l., works. lb. .09 - —
l.c.l., works.....lb. .06½- .09¾
solution, 32 deg., cryst., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .06¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .06¼- —
l.c.l., works, same basis, lb. .10 - —
Hydrate, heavy bgs., c.l., works. lb. .024 - .061
l.c.l., works.....lb. .035 - .046
light, bgs., divd.....lb. .14½- —
bbls., divd.....lb. .16 - —
Hydroxide, gel, tech., min. 15% Al (OH)$_3$, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .08 - .08½
ton lots, same basis..lb. .08½- .09½
smaller lots, same basis, lb. .09¾- .94
conc., 9-9½% Al_2O_3, fb. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fb. dms., wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fb. dms., works..lb. .70 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .35 - .50
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .19½- —
Stearate, precip., cts., c.l...lb. .32 - —
l.c.l. .....lb. .34 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.30
l.c.l., works, frt. equald.... 100 lbs. 1.40 - 1.90
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
Alumina sulphate, iron-free, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink., 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .38 - —
Powder, lining, extra, fine, 150 lb. dms..lb. .62 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms...lb. .35 - —
varnish, stand., 300-lb. dms.. lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .32 - .36
Aminopyrine, bots., dms.....lb. 4.00 - 4.45
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertiliser, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works.... ton.61.00 - —
Aqua, 26°, cnys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .03¼- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, f.t. alld..lb. .42 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1315- —
Bicarbonate, dms., c.l.....lb. .0544- —
Bichromate, bbls.....lb. .28 - .35
Bifluoride, bbls., c.l., works, frt. alld..lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, gran. NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms..lb. 06¼- .06½
cns. .....lb. .14¾- .15½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammonium, sal).
USP, gran., bbls., dms., kgs.. lb. .12 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.66 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[2] c.p., cryst., kgs.lb. 1.20 - 1.30
fine cryst., bbls., kgs.....lb. .94 - .97
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1] fertilizer grade, Canadian, 22.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.80.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.25 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N, bgs., Hopewell, Va...ton.23.00 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine grad, bbls.....lb. .32 - —
dms. .....lb. .30 - .32
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .20½- .20¾
Phosphate, dibasic, NF V, bbls., kgs...lb. .27 - .30
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works.....lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs.....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .16
Stearate, anhydrous, dms.....lb. .34 - —
paste, dms.....lb. .06¼- —
Sulphamate, bbls., works.....lb. .15 - .21
Sulphate,[1] bulk, inland producing evens..ton.28.20 - —
Atlantic coast ports.....ton.29.20 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 45% abys, works.....lb. .09 - —
dms., works.....lb. .04 - —
yellow, 33%, abys., works..lb. .09 - —
dms., works.....lb. .04 - —
Sulphocyanide, CP, bbls.....lb. .35 - —
jars .....lb. .37 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis bbls..lb. 7.19 - 8.25
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works, 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .068- —
l.c.l., works.....lb. .100- —
tanks, works.....lb. .065- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .42 - —
Anethol, com'l, dms., works..lb. .65[7] - .68[3]
NF, dms.....lb. 2.20 - 2.50
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese, star.....lb. .31½- .32
Cyprus, bgs.....lb. No stocks
Mexican, bgs., futures.....lb. .34½- .35
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .13½ - .13¾
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls.....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17¼
Needle,[1,6] Bolivian, brown, 67% cs...lb. .16¼ Nom.
Chinese, black, 70% cs...lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .16 - —
l.c.l. .....lb. .17 - —
paint grade, bgs., c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1,6] 65%, bgs., c.l., divd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 3.00 - —
smaller lots.....lb. 3.10 - 3.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .16½- .17
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity)..46.00 - —
Arnica flowers, bbls.....lb. 3.25 Nom.
Arsenic, chloride (arsenous), bots. lb. 1.85 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Arrowroot, powd., bgs., bbls..lb. .10½- —
Asafetida, cs.....lb. .85 - .86
powd., bbls., dms.....lb. .94 - .95
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines. ton.49.00 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.33.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cube, A, bulk, c.l.....ton.90.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.36.50 - —
l.c.l. .....ton.55.00 - —
Egyptian .....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
370-395° fusing point, bgs., mines..ton.20.50 - —
seconds, 200°-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, grease weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .03½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., grease weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.37.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -26.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz. 2.25 - —
Sulphate, bots.....oz. 7.25 - —

B

Balm of Gilead buds, bgs.....lb. 1.30 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .73 - .80
Barbital, dms.....lb. 2.50 - 2.60
Sodium, dms.....lb. 2.75 - 2.80
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.42.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....ton. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.75.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, drms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .13 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. 09½- .11¼
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works....lb. .11½- .13
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, cns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09¼- .10
kgs. .....lb. .12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.25 - —
l.c.l., same basis.....ton.26.25 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.22 - 1.30
Root, bls.....lb. 1.25 - 1.40
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .43 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.35
Benzol (benzene), pure, nitration and 90%, dms., works. gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .16 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib ctns, works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms. .....lb. .49½ - .55
Alcohol (see Alcohol, benzyl)
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys. .....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 6.25
Formate, cns.....lb. 2.70 - 2.95
Propionate, bots.....lb. 1.65 - 2.05
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidineacetone, beta.....lb. 2.25 - 2.70
Benzyliscoeugenol, bots.....lb. 2.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .20 - .25
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .22 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.00 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .22½- —
Beth root, bls.....lb. .42 - .44
l.c.l., works.....lb. .24½- —
Bismuth chloride, bots.....lb. 2.00 - —
jars .....lb. 2.05 - —
Citrate, USP VIII, bots.....lb. 2.21 - 2.30
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.47
cns. .....lb. 3.80 - —
Metal, ton lots.....lb. 1.35 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.60
cns. .....lb. 1.80 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.19 - —
Subbenzoate, bots.....lb. 3.61 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.80 - 1.82
bots., cns.....lb. 1.59 - 1.68
X-ray, 5-lb. bots.....lb. 2.70 - —
fib. dms.....lb. 2.75 - —
Subgallate, NF, bots., cns...lb. 1.40 - 1.80
fib. dms.....lb. 1.40 - 1.42
Subiodide, bots.....lb. 4.10 - 4.25
fib. dms.....lb. 4.15 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.22
bots. .....lb. 1.20 - 1.23
Subsalicylate, USP, bbls., fib. dms..lb. 1.80 - —
5-lb cans.....lb. 2.54 - 2.60
Subthiocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms...lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E. lb. .17 - —
2, bgs, bbls., c.l., same basis. lb. .19 - —
3, bgs, bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .09½- —
420A, bgs., bbls., c.l., same basis..lb. .09½- —
Bone, 457, bgs., bbls., c.l., same basis..lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works. lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
divd. or whse...lb. .062 - —
uncompressed, regular, bgs., c.l. works..lb. .06625- —
bgs., ctns., l.c.l., divd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .03 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works....lb. .03½- —
ctns., l.c.l., whse.....lb. .09 - —
Thermatomic, bgs., c.l., works, La...lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06½- —
Lamp, 1, ctns., c.l., works..lb. .05½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .20½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .27½- —
l.c.l., works.....lb. .28½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .06
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .04 - .05
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works.....ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.48.50 - —
Bleaching powder,[3] dms. c.l., works..100 lbs. 2.50 - 2.10
l.c.l., works.....100 lbs. 2.75 - 2.80
Blood,[1,7] dried, 16-16½% ammo., bgs..unit-ton. 5.85 - 7.50
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 5.35 - 7.50
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls. .....lb. .60 - .65

OPD—6-3-1946

Immediate Delivery

ANILINE SALTS
CETYL ALCOHOL
CHLOROFORM
CITRIC ACID
CREAM OF TARTAR
ETHYL ACETATE
ETHYLENEDIAMINE
HEXYLRESORCINOL
LANOLIN
MAGNESIUM CARBONATE
MYRISTYL ALCOHOL
NAPHTHALENE
PINE OIL
POTASSIUM CHLORATE
ROCHELLE SALTS
SODIUM BENZOATE
SODIUM CITRATE
SODIUM PERBORATE
TARTARIC ACID
YELLOW PRUSSIATE OF SODA

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .95 - .90
Celestial, bbls., same basis...lb. .10 - .13
Chinese, bbls., same basis..lb. .96 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .28 - .37
jobbing type, dry, bbls., same basis..lb. .13 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .37

Blue, Victoria, toner, molybdic, bbls..lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.53 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.55 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.37.00 -35.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .60 - .62

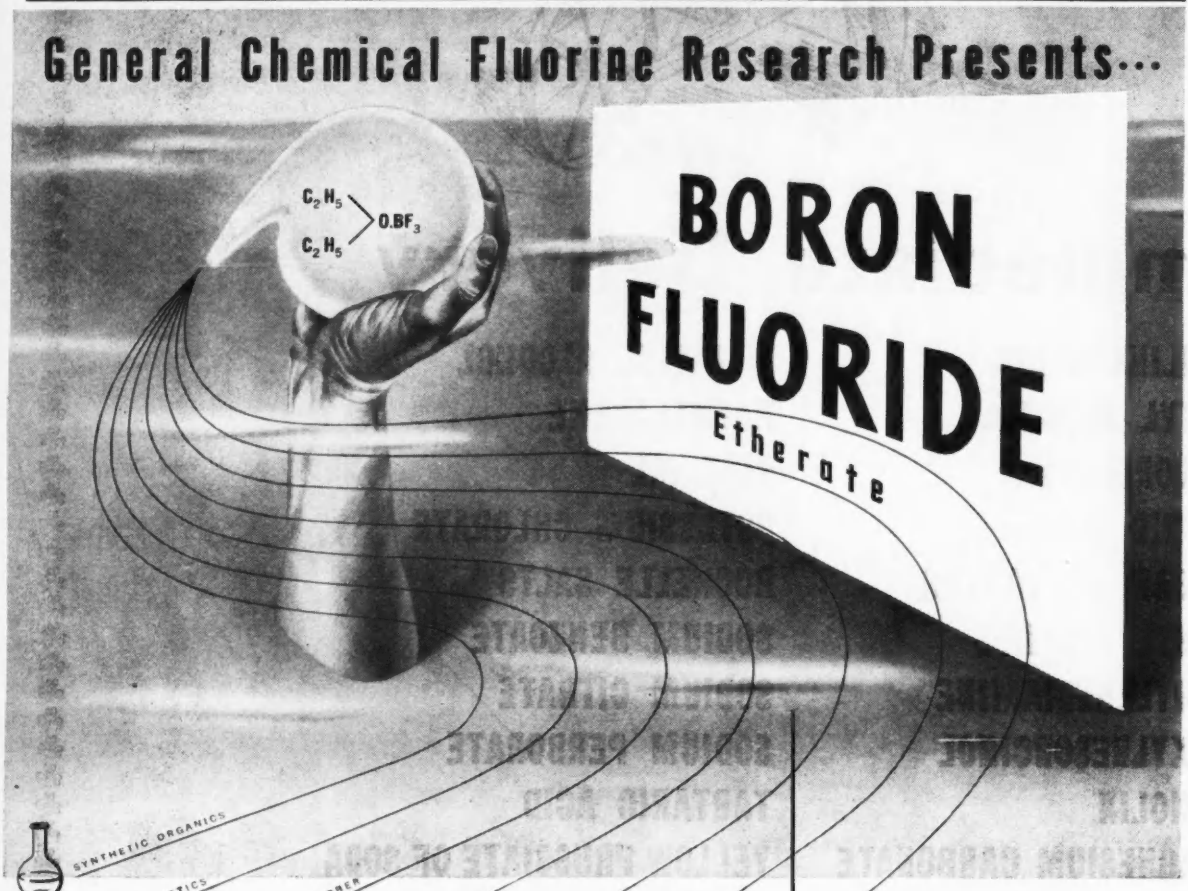
Borax, tech., 99½% gran., bulk, cks., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.56.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld.. ton.60.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .26 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .35 - 1.30
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls. .....lb. .21 - .24

Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .05½- —
Sap, crystals, works.....lb. .13 - —
powdered .....lb. .15 - —
Sienna, burnt, American, bbls., works..lb. .05½- .06
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .09½- .10½
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .05½- —
Italian-type, bbls., works.lb. .04½- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04½- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles.. lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .58 - .60
Buchu leaves, bls.....lb. .80 - .83
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .55 - .60
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .2105- —
l.c.l., same basis.....lb. .2155- —
tanks same basis.....lb. .2005- —
tankwagon, same basis.lb. .2055- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11½- —
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10½- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .03½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .03½- —
Normal butyl acetate, W. of Miss. R., ¼c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .25½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 8.00
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,8] ingots or sticks, dlvd. lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more, lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.06
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.20 - 5.37
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .50 - .55
imported, bleached, bls..lb. .70 - .88
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
dlvd. .....ton.57.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -34.50
l.c.l., dlvd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls., lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.40 - 1.60
Hypochlorite, dms., dlvd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3778- .4225
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, works, dms..lb. 2.65 - 2.80

General Chemical Fluorine Research Presents...



THE CATALYST TO CHART NEW COURSES FOR AMERICAN INDUSTRY

Boron Fluoride Etherate . . . valuable catalytic chemical of wide ranging potentialities for American Industry!

This new liquid fluorine compound has a multitude of uses. Technical literature—filling volumes—contains extensive data on the reactions catalyzed by BF_3 as well as by its complexes with other organic molecules. Repeated reference is made to its superiority to other catalysts since reactions are moderated and fewer undesirable by-products result.

Outlined at right are some of the principal applications for BF_3 as a catalyst. Perhaps they indicate ways in which you can utilize a chemical of these characteristics in your development or production program.

Boron Fluoride Etherate is commercially available in drums. For full information, contact General Chemical Company, Fluorine Division, 40 Rector Street, New York 6, N. Y. When writing, if you outline your proposed application for this new catalyst, the technical experts of our Fluorine Division can work with you toward an early solution of your problem.

Physical Properties

Formula: $(C_2H_5)_2 > O.BF_3$

Mol. Wt.	141.9
Melting Pt.	Less than —60°C
Boiling Pt.	125°C
Spec. Gr.	1.14 at 25°C
$\%BF_3$	47.8% min.

Some of the Principal Reactions Catalyzed by BF_3

1. Polymerization of unsaturated compounds such as olefins, diolefins, vinyl ethers, fatty oils, and terpenes. The products may be solid polymers useful as plastics or liquids as in the bodying of drying oils for paints and varnishes.

2. Condensation of aromatic nuclei with olefins and diolefins, paraffins, and olefins, and aromatic nuclei or olefins with acids.

3. As a cyclizing agent for rubber.

4. As an esterification catalyst.

5. As a catalyst in the synthesis of aliphatic acids from alcohols and carbon monoxide.

6. As a promoter and dehydrating agent in the sulfonation and nitration of aromatic compounds.

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BASIC CHEMICALS
GENERAL CHEMICAL COMPANY
FOR AMERICAN INDUSTRY

Calcium naphthenate, 4% Ca, 50-gal. dms..lb. .22¼- —
Pantothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding, grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel, bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .52 - —
1,000-lb. lots.....lb. .53 - —
smaller lots.....lb. .54 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 9.00 - —
Chinese, cs.....lb. 9.75 - —
powd., bxs.....lb.10.35 - —
Capsicum (see Pepper, red).
Capsium oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .29 - .30
Canadian, bgs.....lb. .28 - .30
Danish, bgs.....lb. .27 - .27½
Dutch, bgs.....lb. .29 - .29½
futures, bgs.....lb. .26 - .29½
Morocco, dewhiskered, futures, bgs..lb. .37 - .38
natural, bgs., futures.....lb. .33 - .34
Spanish, dewhiskered, bgs...lb. No stocks
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. gal. .96 - —
l.c.l. .....gal. 1.01 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .69 - —
l.c.l., frt. alld.....gal. .76 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .93 - —
l.c.l., frt. alld.....gal. 1.03 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .76 - —
l.c.l., frt. alld.....gal. .83 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.00 - —
l.c.l., frt. alld.....gal. 1.10 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.13 - —
l.c.l., frt. alld.....gal. 1.22 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
5 or 10-gal. dms., c.l..gal. 1.03 - —
l.c.l. .....gal. .90 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A. Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Mo., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O. Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom, bleached, bold, cs., lb. 1.35 - 1.40
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. 1.00 - 1.10
India, cs.....lb. 1.00 - 1.10
green, Alleppey, bgs.....lb. .87 - .88
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000 000 units. .50 - —
research grade (alpha, 10%; beta, 90%), ampa. 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
8,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.16.00 -20.00
Cascara sagrada bark, bulk...lb. .43 - .45
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .09¾- —

Casein,[1] dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .33 - —
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. .33½- —
less than 2,000 lbs., same basis..lb. .33¾- —
rennet-precip., bgs., 10,000 lbs. or more, same basis, lb. .34¼- —
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. .34¾- —
less than 2,000 lbs.....lb. .35¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .33 - —
rennet-precip., unground, 100 bgs. or more..lb. .34¼- —
Cassia,[1] China buds, bgs., futures..lb. .36 - .57
rolls, selected, cs., futures. lb. .35 - .36
extra select, broken, bbls., lb. .34½- .35
Saigon, May-June ship't., cs. lb. .65 Nom.
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton.118.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb.12.00 -13.00
synthetic, cns.....lb.21.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed, French, bgs.....lb. 1.00 Nom.
Indian, bgs. .....lb. .26¼- .27
Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld..lb. .46 - —
100-900 lbs., frt. alld. lb. .47 - —
smaller pkgs., works..lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld..lb. .44 - —
100-900 lbs., frt. alld. lb. .45 - —
smaller pkgs., works..lb. .46 - —
Granules are 6c. per lb. higher. all quantities.
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs., works..lb. .48 - —
Granules are 6c. per lb. higher all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Cerium oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —

Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.82.50 - —
rubbermakers, bgs., c.l., works ton.80.00 - —
Chamomile, Hungarian type, cs. lb. .70 - .75
Roman, bls., futures.....lb. 1.70 - 1.80
Charcoal, hardwood, lump, bulk, c.l., works..ton.38.00 -39.50
bur, bgs., included, c.l., works..ton.41.50 -46.80
briquets, bulk, c.l., works... ton.44.50 -49.80
bgs., c.l., works.....ton.49.80 -50.50
granular, all grades, bgs., works..ton.46.80 -49.80
screenings, bgs., works....ton.31.20 -33.15
Pinewood,[1] lump, bgs., c.l., Southern shipping points. ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,8] standard, 25% tannin, bbls., c.l., works. 100 lbs. 3.70 - 4.65
l.c.l., works.....100 lbs. 4.07 - 4.90
tanks, works.....100 lbs. 3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.32
l.c.l., works..100 lbs. 8.21 - 9.07
Chillies (see Pepper, Red).
China clay,[1] dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —

Spot Deliveries

BLEACHING POWDER
CITRIC ACID
HEAVY CALCINED MAGNESIA White
SODA ASH Light
CAUSTIC POTASH
SODIUM BICHROMATE
MAGNESIUM METAL POWDER High Purity
COPPER SULPHATE
OXALIC ACID
ZINC OXIDE American & French Process
CHROMIC ACID
CALCIUM HYPOCHLORITE
SODIUM SULPHITE Solid

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Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms.....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l.....lb. .05½- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 150 lb. cyl., 100-lb. cyls., same basis..lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 23% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .33
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Chrome, fluoride, bbls., wks..lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

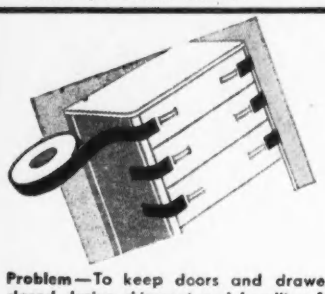
Chrysarobin, bots. .....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., can..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms., works..lb. 3.70 - 3.80
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms., works.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - 1.00
Cinnamon,[1] Ceylon, O, bls., fu-tures..lb. .5700- —
OO, bls. futures.....lb. .5820- —
OOO, bls., futures.....lb. .5900- —
OOOO, bls., futures.....lb. .5990- —
No. 1, bls., futures.....lb. .5625- —
2, bls., futures.....lb. .5635- —
3, bls., futures.....lb. .5535- —
4, bls., futures.....lb. .5335- —
Citral, bots., cns.....lb. 6.50 - 7.50
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove, Madagascar, bls.....lb. .16¾- .17¼
futures, bls. .....lb. .16¼- .16⅝
Zanzibar, bls.....lb. .17¼- .17⅝
futures, bls. .....lb. .17¼- .17⅝
Clover tops, red, dom., bgs....lb. .50 - .55
imported, bgs. .....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls, c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
tanks, works .....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works. bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08½- —
water-gas, crude, 55 gal., dms., c.l., works.....bbl. 8.25 - —
l.c.l., works.....db. 8.75 - —

Coaltar, water-gas, refd., 55-gal. dms., c.l., works..dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .83⅜- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.58 - —
feed grade, 23% Co, kgs....lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 5%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .33½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt..lb. .25 - —
Cocillana bark, bgs.....lb. .60 - .61
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .23
blue, bls.....lb. .24 - .25

Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .20 - .20½
Flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .52 - .53
Colombo root, bls.....lb. .12 - .14
Coltsfoot leaves, bgs.....lb. .70 - .72
Condurango bark, bgs.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .32½- .33
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. .34 - .38
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls..lb. .19¼- .20¼
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works..lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .18½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs., 100 lbs. 5.15 - 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..... 100 lbs. 10.20 - —
smaller lots, dlvd..100 lbs.10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander seed, Argentine, bgs. lb. .07 - .08
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .08 - .08½
Peru, bgs.....lb. .08 - .08½
So. American, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l., dlvd.. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .35 - .40
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.50.00 -64.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51½- —
smaller lots, bbls., kgs., lb. .52 - .52½
imported, bls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .3325
l.c.l., same basis....gal. .26 - .35
tanks, same basis....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, N.F., bots., cbys. lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[2] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10⅝
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11⅝
l.c.l., same basis.....lb. .11¼- .11⅝
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .35 - .40
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .34½- .35
Morocco, bgs. .....lb. No stocks
Persian, bgs. .....lb. .35 - .36
Syrian, bgs., futures.....lb. .33 - .33½
Cutch, bgs. .....lb. No stocks
Cyanamide,[8] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09½- —
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works .....lb. .30½- —
tanks, works .....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

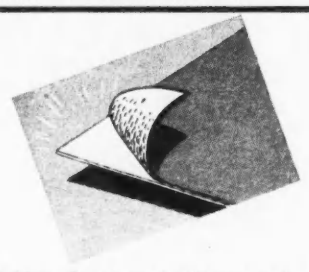
D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton.35.73 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .28½
Derris root (see Cube root).
l.c.l. .....lb. .10¼- .11⅝
Dextrin, British gum, bgs., c.l., Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —



Problem—To keep doors and drawers closed during shipment and handling for protection against damage.

Solution — Self-Stik Mystik Tape applies quickly without moistening, holds surely, peels off easily.



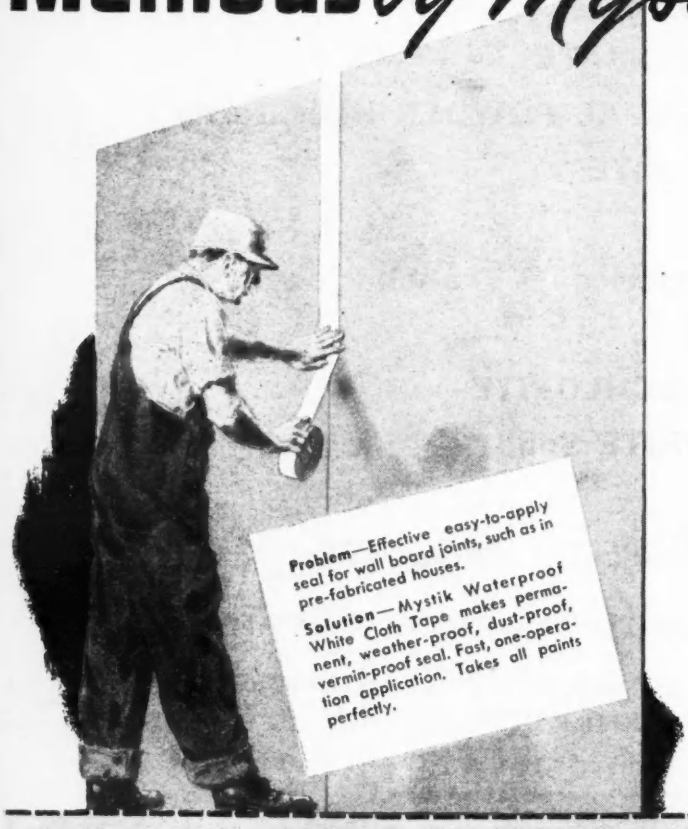
Problem—Protection of stainless steel sheets during fabrication processes to prevent scratching, marring, oil marks, etc.

Solution—Mystik Mask supplies tough, resilient "skin" for polished surfaces. Very easy application. Removes quickly in one piece. Can be removed and re-applied for welding.

Problem—To quickly spray-paint designs, insignia, etc. on products. Eliminate costly hand-lettering and imperfect stenciling.

Solution — Mystik Spra-Mask sticks to surface, permitting clean-cut designs and one-man operation. Spra-Mask delivered die-cut as needed. Cuts costs.

Methods *by Mystik*



Problem—Effective easy-to-apply seal for wall board joints, such as in pre-fabricated houses.

Solution—Mystik Waterproof White Cloth Tape makes permanent, weather-proof, dust-proof, vermin-proof seal. Fast, one-operation application. Takes all paints perfectly.

● When you're looking for faster, cost-cutting, labor-saving methods . . . think of Mystik. Mystik isn't just a tool or a material . . . it's an open door to better methods for doing hundreds of operations in your plant.

Mystik comes in many forms—MYSTIK SELF-STIK TAPE, cloth or paper, up to 36" wide—MYSTIK MASK, a reinforced paper material for protecting fine surfaces—MYSTIK SPRA-MASK, a fast method for stencil spray-painting designs and insignia—MYSTIK DRI-PIPE, an insulation to stop pipe drip—MYSTIK-PRINT for Self-Stik labels and signs.

★ ★ ★

FREE — *Send for Mystik samples and interesting new booklet showing how Methods by Mystik can cut costs in your plant. Mail coupon to—Mystik Adhesive Products, 2639 N. Kildare, Chicago 39.*

SEND *FREE* BOOKLET AND FOLLOWING SAMPLES:

☐ Mystik Cloth Tape; ☐ Mystik Waterproof Cloth Tape;
☐ Mystik Mask; ☐ Mystik Spra-Mask; ☐ Mystik-Mask Paper Tape;
☐ Mystik Dri-Pipe; ☐ Mystik-Print.

Name_____ Title_____

Company_____

Address_____

MYSTIK
Self-Stik
ADHESIVE PRODUCTS
"ANYTHING THAT STICKS"

Dextrin, corn, white, bgs., c.l...
100 lbs. 4.07 - —
Chicago ....100 lbs. 4.61 - —
l.c.l. ....100 lbs. 5.07 - —
Chicago ....100 lbs. 4.71 - —
Potato, bgs., c.l. ....lb. .10 - —
l.c.l. ....lb. .10¼- .11¼
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.55
laboratory grade, bots....
100 grams. 4.50 - —
tech., bots., works....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd. ....lb. .2220- .2250
tanks, dlvd. ....lb. .2070- .2106
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse....lb. .10 - .16
nat. bgs., c.l., Pacific Coast.
ton.22.00 -25.00
l.c.l., ex whse....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. ....lb. .04 - .06
Dibutyl, phthalate,[1] 5-gal. cns., works..lb. .2250- .2909
1-gal. cns., works....lb. .2450- .3109
dms., c.l., works....lb. .1700- .2359
l.c.l., works....lb. .1750- .2409
tanks, works....lb. .1600- .2259
Sebacate,[1] dms., c.l., works..lb. .5000- .5370
l.c.l., works....lb. .5050- .5420
tanks, works....lb. .4900- .5270
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[9] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis....lb. .17 - —
tanks, same basis....lb. .15 - —
Diethanolamine,[8] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis....lb. .24½- —
tanks, same basis....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd.. 90%, dms....lb. .80 - —
Oxalate, dms., c.l., dlvd....lb. .50½- —
l.c.l., dlvd....lb. .51 - —
Phthalate,[6] dms., c.l., dlvd..lb. .21½- —
l.c.l., dlvd....lb. .22 - —
tanks, dlvd....lb. .20½- —
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works....lb. .15 - —
tanks, works....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works....lb. .46 - —
tanks, works....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis....lb. .15 - —
tanks, same basis....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works....lb. .23 - —
tanks, works....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works....lb. .16½- —
tanks, works....lb. .14½- —
Digitalis leaves, dms....lb. 1.05 - 1.15
Diglycol laurate, dms....lb. .31 - .32
Oleate, light, bbls., c.l....lb. .17 - —
Stearate, bbls., c.l....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, natural, afloat, bgs..lb. .09 - .09½
decorticated, bgs....lb. .13 - .13½
dewhiskered, bgs....lb. .09½- .09¾
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd....lb. .20½- —
tanks, dlvd....lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd....lb. .90 - —
Dimethylanilin, dms., c.l....lb. .21 - —
l.c.l. ....lb. .22 - —
Dinitrobenzene, bbls....lb. .16 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs....lb. .35 - .38
Dinitrophenol, bbls....lb. .22 - —
Dinitrotoluene, dms....lb. .16 - —
oily, dms....lb. .05 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis....lb. .21 - —
tanks, same basis....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., dlvd. E..gal. .55 - .58
tanks, dlvd. E....gal. .45 - —
steam-dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E....gal. .52 - .53
Diphenyl,[8] bbls., c.l., works...lb. .15 - —
l.c.l., works....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. ....lb. .43 - .45
Diphenylamine, bbls....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots....lb. .36 - .37
Divi-divi,[1,8] 42% tannin, c.l., U.S. ports, ex dock..ton.70.00 -71.00
38% tannin, c.l., same basis.. ton.68.00 -69.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs....lb. .55 - .60
reeds, cs....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns....lb.17.00 - —
No. 3, cns....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns....lb. 3.55 - —
Red, FD&C, No. 1, cns....lb. 5.75 - —
No. 2, cns....lb. 3.05 - —
No. 3, cns....lb.17.00 - —
No. 4, cns....lb. 5.50 - —
No. 32, cns....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 8.00 - —
No. 3, cns....lb. 2.55 - —
No. 4, cns....lb. 2.55 - —
No. 5, cns....lb. 3.05 - —
No. 6, cns....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.35 - —
Blue, D&C, No. 4, cns....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns....lb.12.35 - —
No. 6, cns....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns....lb.15.35 - —
No. 10, cns....lb.15.35 - —

Dyes, coaltar (certified colors for drums and cosmetics), 1-lb. lots—
Red, D&C, No. 8, cns....lb. 2.85 - —
No. 17, cns....lb. 8.35 - —
No. 18, cns....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns....lb. 8.35 - —
No. 11, cns....lb.10.35 - —
No. 19, cns....lb.15.35 - —
No. 22, cns....lb. 8.35 - —
No. 35, cns....lb.12.35 - —
No. 37, cns....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns....lb.21.85 - —
No. 8, cns....lb. 7.85 - —
No. 10, cns....lb.12.35 - —
No. 13, cns....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
5 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R....lb. .50 - 1.00
53 Victoria violet....lb. .80 - 1.00
165 Lake red C....lb. .70 - .80
170 Fast red A....lb. .56 - .60
180 Fast red VR....lb. 1.50 - 1.60
188 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A....lb. .42 - .45
208 Fast red blue R....lb. .75 - 2.00
216 Chrome red B....lb. 1.75 - 2.00
262 Cloth red 2B....lb. .60 - .80
289 Fast cyanin 8R....lb. .90 - 1.00
290 Chrome black F....lb. .85 - .88

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
604 Paper yellow ....lb. .85 - .90
607 Fast cyanin black B.lb. .80 - .85
626 Direct fast scarlet...lb. 2.00 - 2.25
665 Chyrophenin G....lb. .68 - .70
682 Direct scarlet B....lb. 1.15 - 1.20
687 Direct violet B....lb. 1.00 - 1.30
694 Direct violet N....lb. .80 - .85
701 Developed black BHN, lb. .45 - .60
706 Direct blue 2B....lb. .66 - .70
715 Direct orange B....lb. .60 - .70
719 Direct fast red F....lb. .70 - .73
720 Direct brown M....lb. .55 - .57
748 Benzo purpurin 4B...lb. .65 - .68
795 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .50
802 Direct azcrin G....lb. .75 - .80
812 Direct blue RD....lb. .80 - 1.00
818 Direct pure blue 6B..lb. 1.20 - 1.30
820 Direct pure blue....lb. .50 - 1.00
829 Direct fast black FF.lb. .55 - 1.00
861 Direct black EW....lb. .50 - .54
882 Direct black RX....lb. .35 - .45
892 Direct green B....lb. .50 - .55
894 Direct green G....lb. .50 - .55
896 Direct brown 3GO...lb. .85 - 1.00
920 Direct yellow R....lb. 1.25 - 1.50
998 Acid violet ....lb. 1.00 - 3.00
812 Primulin ....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 indigo, 20%, paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black ....lb. .20 - .25
Sulphur blue ....lb. .45 - 1.00
Sulphur brown....lb. .25 - .50
Sulphur maroon ....lb. .40 - —
Sulphur tan ....lb. .30 - .50
Sulphur olive ....lb. .25 - .54
Sulphur yellow ....lb. .30 - .50
Zambesi black....lb .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives ...lb. .36 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown ....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green ....lb. .75 - —
Orange—
24 Sudan I ....lb. .75 - —
Red shade ....lb. .75 - —
Red—
75 Sudan II ....lb. 1.05 - —
258 Sudan IV ....lb. .85 - —
680 Oil violet ....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.[6]6.00 - —
Yellow—
15 Amidoazobenzene yellow.. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B....lb. 1.85 - —
861 Indulin ....lb. .87 - —
873 Methylene gray....lb. 1.50 - —
909 New blue P....lb. 1.20 - —
922 Methylene blue....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1130 Indigotin IA....lb. .85 - —

If it has to do with DDT, work it out with DU PONT!

MANUFACTURERS who have been thinking of using DDT in their products are invited to come to Du Pont for technical service. Experience gained as a major supplier of DDT to the armed forces may be of considerable value to you.

That experience plus Du Pont's continuing laboratory and field studies make it possible to supply you with DDT Technical that always measures up to rigid requirements.

Because of the method by which it is manufactured, Du Pont DDT Technical is uniformly dependable. It works well in dry preparations and dissolves quickly, forming clear solutions.

To help you formulate DDT preparations that have a sound basis for commercial use, our complete facilities are available. E. I. du Pont de Nemours & Co. (Inc.), Grasselli Chemicals Department, Wilmington 98, Delaware.

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REG. U.S. PAT. OFF.
BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

DU PONT
DDT *Technical*

Dyes, coaltar, for stains, spirit-soluble (prices E, in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G.....lb. .47 - .65
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
632 Bismarck brown R....lb. .47 - .63
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malacrite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .78 - —
924 Methylene green B....lb. 1.55 - —
1078 Alisarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B.lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .68 - —
Yellow—
10 Naphthol yellow S.....lb. .53 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E, in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .93 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoulene yellow.. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls.....lb. 1.04 - 1.10
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .85
Elecampane root, bls.....lb. .50 - .55
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .53 - .55
select, bndls. .....lb. .55 - .56
Emetine hydrochloride, bots..oz.63.50 -56.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.25
Hydrochloride, tins .....oz. .95 - 1.45
Sulphate, tins .....oz. .95 - 1.45
Synthetic, USP, anhydrous, bots..100 ozs. .65 - —
hydrous, bots, 100 oz...oz. .65 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots. gram. .75 - —
Epsom salt, tech., cryst., bgs., c.l...100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. 03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.....lb. 1.65 - 1.70
Eserine, bots.....oz No prices
Sulphate, 1-gram, vials....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs. lb. .93 - 1.10
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis .....lb. .12 - —
tanks, same basis.....lb. .09 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .1275- —
l.c.l., frt. alld.....lb. .1325- —
tanks, frt. alld.....lb. .1175- —
95-98%, dms., c.l., frt. alld. lb. .13 - .1335
l.c.l., frt. alld.....lb. .1350- .1385
tanks, frt. alld.....lb. .12 - .1235
99%, dms., c.l., frt. alld..lb. .13 - .1345
l.c.l., frt. alld.....lb. .1350- .1396
tanks, frt. alld.....lb. .12 - .1245
synthetic, 85-90%, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08½- —
95-98%, dms., c.l., frt. alld. lb. .09¾- —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .08¾- —
N.F., dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works. lb. .37½- —
l.c.l., frt. alld.....lb. .39 - —
Ethyl benzoate, bots.....lb. .50 - .52
Bromide, tech., dms.....lb. .80 - .85
Carbamate, dms., dvld. E...lb. .48 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 3.00
Formate, dms., Agnue, Calif., lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39¾
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms. .....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .53 - —
Silicate, dms., l.c.l., works..lb. .77 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0342- —
West of Rockies..lb. .0301- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0391- —
West of Rockies..lb. .0341- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt alld. in E. .lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17¼- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16¼- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works .....lb. .16¼- —
tanks, works .....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13¼- —
l.c.l., works .....lb. .14½- —
tanks, works .....lb. .12½- —
Monobutylether, dms., c.l., wks. lb. .16¼- —
l.c.l., works .....lb. .17½- —
tanks, works .....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .87 - —
l.c.l., works .....lb. .90 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots .....lb. 5.50 - 5.60
Eucalyptol, cns., dms.....lb. 2.35 - 2.35
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, cns., dms.....lb. 2.65 - 2.35
Euphorbia, bls.....lb. .13 - .14

F

Feldspar,[1] enamel, 100 mesh, ton.17.00 -20.50
bulk, c.l. .....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs., futures..lb. .21 - .22
Indian, bgs., futures.....lb. .20 - .20½
Fenugreek, domestic, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .10 - .10½
Morocco, bgs. .....lb. .10¾- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .11
Fir balsam, Canada, cns....gal.19.00 -19.50
Oregon, bbls. .....gal. 2.35 - 2.40
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.82.50 - —
65% protein, bgs., E. works. ton.88.50 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.74.00 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, black, bgs.....lb. .60 - .62
Blonde, bgs.....lb. .19 - .20
Fluorspar,[1] No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton.37,000- —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton.33.000 - —
65% c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works .....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works .....lb. .0510- —
tanks, works. .....lb. .0320- —
tanktrucks, blvd., N.Y.C....lb. .0345- —
Fringetree bark, bls.....lb. .55 - .56
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines. ton. 8.50 -15.00
Tex. mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l. works. lb. .18½- —
cns., dms., l.c.l., works....lb. .18½- .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fusel oil, crude, dms., works.gal. .71 - —
refd., dms., divd.....lb. 18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l...lb. .35 - —
No. 1A, bbls., l.c.l.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17¼- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l....lb. .20¾- —

G

G salt, bbls. .....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .05½- —
Bayonne, 74 octane, tanks, gal. .0690- —
Gulf Coast, 73-75 octane, tanks..gal. .0570- .0625
Group 3, 73-75 octane, tanks, gal. .04⅝- .05¼
Pennsylvania, western, US motor, 74 octane, leaded, tanks..gal. .06¾- .07¼
natural, 26/70 octane, Group 3, tanks..gal. .02⅝- —
Gelatin, silver label, cns., dlvd. lb. .90 - .97
export, cs. .....lb. 1.00 - —

Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.

Gelsenium root, bls.....lb. .40 - .45
Gentian root, bls.....lb. .36 - .38
grd., bbls., bxs.....lb. .38 - .40
powd., bbls., bxs.....lb. .39 - .41
Geraniol, 92-95%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. No prices
Ginger, African, No. 1, bls...lb. .15 - .15½
Calicut, Romeo-type, bgs....lb. .16½- .17
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs. .....lb. .15½- .16
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .18½- .19
No. 3, bgs.....lb. .16 - .16½
Rhattoon, bgs. .....lb. .15½- .16
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .23
30/36, bgs., c.l., same basis. .lb. .15½- .22½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .16¾- .26½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 160-121 (jelly test in grams), bgs., c.l., divd..lb. .14 - .21½
122-149, bgs., c.l., divd.....lb. .15 - .22½
150-177, bgs., c.l., divd.....lb. .16 - .23½
178-206, bgs., c.l., divd.....lb. .17 - .24½
207-236, bgs., c.l., divd.....lb. .18 - .25¼
237-266, bgs., c.l., divd.....lb. .19 - .26¾
267-298, bgs., c.l., divd.....lb. .20 - .27½
299-330, bgs., c.l., divd.....lb. .21 - .28½
331-362, bgs., c.l., divd.....lb. .22 - .29½
363-394, bgs., c.l., divd.....lb. .23 - .30½
395-427, bgs., c.l., divd.....lb. .24 - .31½
428-460, bgs., c.l., divd.....lb. .25 - .32½
461-494, bgs., c.l., divd.....lb. .26 - .33½
495-529, bgs., c.l., divd.....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l.; bbls., ½c., over bgs.
Glycerin, crude, saponification, 83%, to refiners, tanks..lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¼- .18
high gravity, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¼- .18
refined, B.P., 98%, dms., c.l..lb. .18¾- —
tanks .....lb. .18½- —
USP, 95%, dms., c.l.....lb. .18¼- —
tanks .....lb. .18 - —
yellow, distilled, dms., c.l...lb. .17¾- —
tanks .....lb. .17¾- —
Glycine, USP, bbls., tins, works. lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots.. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.75 - 9.00
powd., bxs.....lb. 9.25 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .27 - .28
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis. lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease, house,[1,7] loose .....lb. .08¼- —
White, choice, loose.....lb. .08½- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
15%., bbls., same basis...lb. .25 - —
20%, bbls., same basis...lb. .25¼- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26¼- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%., bbls., same basis.lb. .30¼- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .09¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis. lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. 18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis...lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Green, chrome oxide, pure, dms., wks..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide). bbls., works...lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .23
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls. .....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.69 - 1.84
Carbonate, dms. .....lb. 2.40 - 2.45
Guanidin carbonate,[1], bbls., c.l., works..lb. .37 - —
l.c.l., works.....lb. .38 - .73½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .14¼- .14¾
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, artificial, cns.....lb. 1.75 - 2.85
Camphor (see C).

Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).

East India (former dollar-and-cent ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis of Congo)

Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).

Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).

Ester,[1] gum-rosin type, dms., c.l., divd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., divd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., divd. Ill., Ind., etc..lb. .1050- .1075

Euphorbium, cs.....lb. 1.80 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50

Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).

Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.50 Nom.
Myrrh, cs.....lb. .46 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).

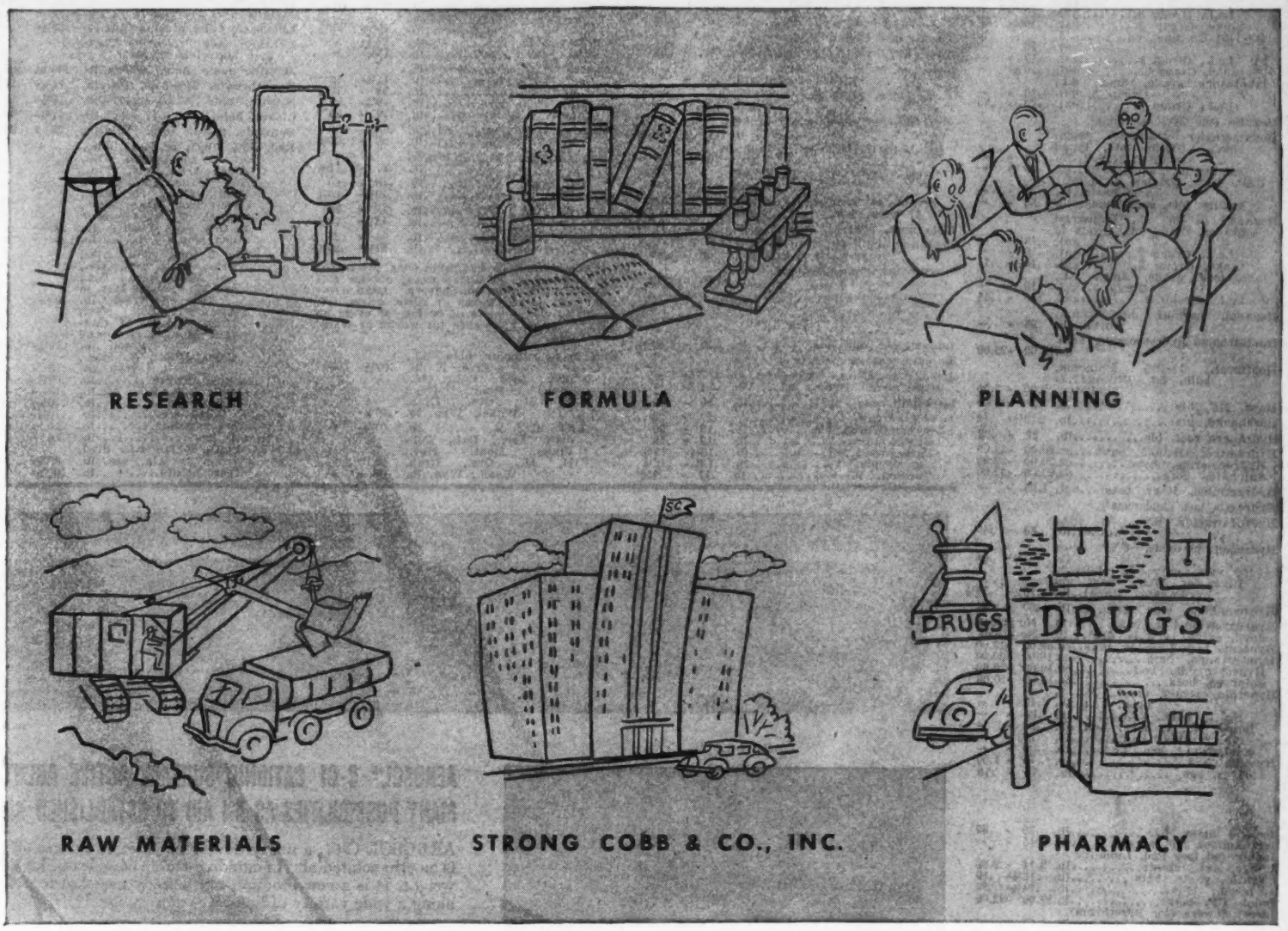
Sandarac (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices are to be figured on same basis as copals).

Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.25 - 4.30
No. 2, cs.....lb. 3.25 - 3.30
No. 3, cs.....lb. 2.75 - 2.80
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.23.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.60 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N.Y., Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works, ton.15.90 - —
New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .37 - .86
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2 bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan. bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .30
powd., bbls., bxs.....lb. .28 - .31



EVOLUTION OF A TABLET

Strong Cobb & Company starts its work on the evolution of a tablet at the planning stage. When you talk over your production problems with our technical sales director he will introduce you to our pharmaceutical staff. After careful study of your private formulae they will offer suggestions concerning potencies, choice of vehicles, excipients, disintegrating materials, etc.

Of course we don't limit our manufacture to tablets. In fact, for the past 112 years we have made innumerable drugs in every form.

Whether you are considering immediate or future production, we will be pleased to aid you in your planning and the study of your manufacturing problems.

Strong Cobb & Company, Inc.

CLEVELAND 4, OHIO

ARMY E NAVY

SUBSIDIARY OF STANDARD BRANDS INCORPORATED

MANUFACTURING CHEMISTS SINCE 1833

Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal.	.12½-	—
l.c.l., Group 3 gal.	.19 -	—
tanks, Group 3 gal.	.10½-	—
77°-115° C., dms., c.l., Group 3, gal.	.13 -	—
l.c.l., Group 3 gal.	.19 -	—
tanks, Group 3 gal.	.10½-	—
laboratory grade, dms., c.l., Group 3 gal.	.16 -	—
l.c.l., Group 3 gal.	.20 -	.55
Hexalin (see Cyclohexanone).		
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb.	.24 -	—
smaller lots, same basis lb.	.25 -	—
USP, dms., 500 lbs. or more, same basis lb.	.35 -	—
smaller lots, same basis lb.	.36 -	—
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal.	.13½-	—
l.c.l., Group 3 gal.	.19 -	—
tanks, Group 3 gal.	.10½-	.11
laboratory grade, dms., c.l., Group 3 gal.	.16 -	—
l.c.l., Group 3 gal.	.29 -	.55
Hexanol, normal, dms., l.c.l., works lb.	.25 -	—
Homatropine hydrobromide, bots. oz.	15.00	-25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton.	5.00	- 5.50
Hops, NF, bls lb.	.56	- 1.50
Horehound, bls lb.	.10½-	.12
Hydrangea root, bls lb.	.22 -	.28
Hydrastine, alkaloid, bots oz.	20.00	-22.00
Hydrochloride, bots oz.	20.00	-22.00
Sulphate, bots oz.	29.00	-32.00
Hydrastinine, 10-gr. bots bot.	1.95	- —
Hydrastis (see Goldenseal).		
Hydrofuramide, dms., fib. cns., works lb.	.30 -	.40
Hydrogen peroxide, USP, bbls. lb.	.03¾-	.04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal lb.	.15½-	.18½
Hydroquinone, bbls., dms lb.	.90 -	.94
Hydroxycitronellal, cns lb.	No prices	
dms., extra, ret'able, dlvd lb.	No prices	
Hyoscine hydrobromide, bots oz.	30.00	-45.00
Hyoscyamine, bots oz.	16.00	-20.00
Hydrobromide, bots oz.	16.00	-20.00
Sulphate, bots oz.	16.00	-20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l. lb.	.42 -	—
No. 2, bbls., l.c.l. lb.	.34 -	—
liquid, No. 1, bbls., l.c.l. lb.	.24 -	—
No. 2, bbls., l.c.l. lb.	.19 -	—
solid, No. 1, bxs., l.c.l. lb.	.30 -	—
Hyssop, bgs lb.	.75 -	1.00
leaves, bgs. lb.	.75 -	.75

I

Iceland moss, bgs lb.	.50 -	.55
Ichthammol, NF, bots lb.	2.45 -	—
Indian red (see Red, Indian).		
Indigo, nat., chests lb.	2.14 -	2.30
synth., paste, bots lb.	.16½-	.19
powd., bbls lb.	.74½-	.95
Indol, CP, bots lb.	19.50	-22.00
Insect flowers (see Pyrethrum).		
Iodine, crude, 25-lb. jars lb.	1.67 -	—
150-lb. kgs lb.	1.28¼-	—
resubl., 5-lb. bots., jars lb.	1.75 -	1.85
Iodoform, 100-lb. dms., kgs lb.	3.95 -	4.10
25-lb. jars or fib. dms lb.	4.20 -	—
Ionone, ketone, bot lb.	6.00 -	9.50
Methyl, bot lb.	6.25 -	12.00
Ipecac root, bgs lb.	No prices	
powd., bgs lb.	No prices	
Irish moss, ordinary, bls lb.	.26 -	.30
powd., 60-80 mesh, bbls lb.	.32 -	.33
prime, bleached, bls lb.	.30 -	.35
powd., 60-80 mesh, bbls lb.	.40 -	.50
Iron acetate, liquor, bbls., c.l., dlvd lb.	.17 -	—
l.c.l., dlvd lb.	.18 -	—
solut., USP IX, 100-lb. cbys. lb.	.17 -	—
50-lb. djns lb.	.18 -	—
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs.	4.90 -	5.25
l.c.l., works 100 lbs.	6.50 -	6.85
cryst., tech., bbls., works, frt. alld. 100 lbs.	4.00 -	6.00
USP X, lump, bbls lb.	.07 -	.08¼
solut., 42 Be, cbys., works, frt. alld. or equald lb.	.05½-	.06
djns., same basis lb.	.10 -	—
Citrate, USP VIII, gran., dms., lb.	.70 -	.75
powd., cns lb.	.84 -	.87
Glycerophosphate, bbls lb.	3.40 -	3.52
Hypophosphite, bbls., dms lb.	1.50 -	1.52
Iodide, bots lb.	3.18 -	3.22
Naphthenate, 6% Fe, 50-gal. dms lb.	.13 -	—
Nitrate, red., tech., dms lb.	.03½-	.04
Oxalate, gran., dms lb.	.33 -	.35
powd., cns lb.	.52 -	—
kgs. lb.	.47 -	.49
Phosphate, soluble, NF, gran., cns. lb.	.54 -	.57
Pyrophosphate, gran., cns lb.	.59 -	.63
Reduced, 90%, kgs lb.	.65 -	.75
Resinate, 7.4% Fe, 100-lb. dms. lb.	.17½-	—
Sulphate (ferric), anhyd., bgs., c.l., works ton.	35.00	- —
l.c.l., works ton.	40.00	- —
(ferrous) tech. (see Copperas).		
USP, cryst., bbls., dms lb.	.05½-	.11
Tallate, 4% Fe, 50-gal. dms lb.	.10½-	—
Iron-ammonia citrate, brown, green, gran., pearls, dms. lb.	.33 -	.35
scale, dms lb.	.49 -	.52
Oxalate, bbls lb.	.23½-	—
dms., kgs lb.	.25½-	.26¼
Iron-soda oxalate, bbls., dms. lb.	.23½-	.26¼
Isobornyl acetate, cns., works lb.	.80 -	.95
Thiocyanoacetate, dms., c.l., works gal.	4.35 -	—
l.c.l., works gal.	4.45 -	4.55
tanks, works gal.	4.25 -	—
Isobutyl acetate, dms., works lb.	No prices	
Propionate, dms., works lb.	No prices	
Isoeugenol, cns., works lb.	3.75 -	4.25
Isopentane, dms., works lb.	.45 -	.55
Isophorone, dms., c.l., works lb.	.21 -	—
l.c.l., works lb.	.22 -	—
tanks, works lb.	.20 -	—
Isopropanol[1] (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld. lb.	.11 -	—
l.c.l. E. of Rockies, same basis lb.	.11½-	.12
tanks, E. of Rockies, same basis lb.	.10 -	—
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., dlvd lb.	.06 -	—
l.c.l. lb.	.06½-	—
tanks, dlvd lb.	.04½-	—
Isopropylamine, dms., works lb.	.25 -	—

J

Jaborandi leaves, bls lb.	.14 -	.15
Jalap root, NF, bls lb.	.37 -	.52
powd., bbls., bxs lb.	.46 -	.58
Resin, lump, cns lb.	5.85 -	—
powd., bxs lb.	5.90 -	—
Juniper berries, dom., bgs lb.	.35 -	.70
Juniper tar, USP, dms lb.	.75 -	1.00

K

Kamala, powd., cns lb.	.51 -	.52
Kaolin (see China clay).		
Kava kava root, bls lb.	.28 -	.30
Kerosene, at refinery: Ark., 42-44 w.w., tanks gal.	.05 -	—
Bayonne, 41-43 w.w., tanks gal.	.061 -	—
California, 40-43 w.w., tanks, gal.	.07 -	—
Gulf ports, 41-43 w.w., tanks, gal.	.04⅝-	.05
Okla-Tex., 41-43 w.w., tanks, gal.	.04875-	—
Penn., 45 w.w., tanks gal.	.0655-	.0705
47 w.w., tanks gal.	.0705-	—
Kola nuts, bgs lb.	.10 -	.11
Kyanite,[1] imp., low iron content, 10-mesh, whse. ton.	85.00	-95.00
calcined, grain, 10-mesh, whse. ton.	95.00	-105.00

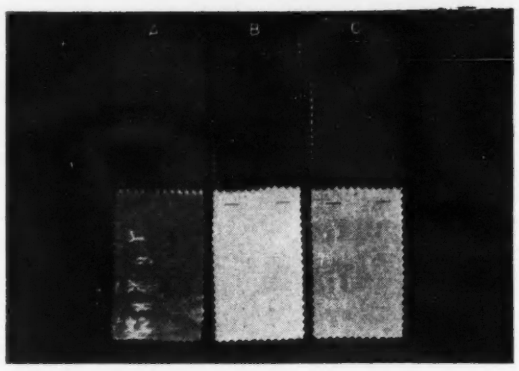
L

Ladyslipper root, bls lb.	1.35 -	1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref., tierces, c.l. lb.	.1475-	—
prime steam, tierces, c.l. lb.	.1475-	—
Larkspur seed, bgs lb.	.80 -	.82
Laurel berries, bls lb.	.25 -	.26
Leaves, Cyprus, bls lb.	.19 -	.20
Greek, bls lb.	.19 -	.20
Portuguese, fair, bls lb.	.12¼-	.13⅝
good, bls lb.	.12¾-	.12¼
Turkish, bls lb.	.17 -	.17½
Lavender flowers, medium, bls. lb.	.75 -	.80
ordinary, bls lb.	.35 -	.45
select, bls lb.	.90 -	.95
Lead, acetate,[1] white, broken, bbls. lb.	.12½-	—
cryst., bbls lb.	.12½-	—
gran., powd., bbls lb.	.13¼-	—
Arsenate,[1,8] basic powder, 3-lb. bgs. or larger, c.l. lb.	.11½-	.12
l.c.l. lb.	.12 -	.12½
1-lb. ctns., c.l. lb.	.16½-	.22½
l.c.l. lb.	.19 -	.23
standard paste, cns., c.l. lb.	.05¾-	.06
l.c.l. lb.	.06 -	.06¼
powder, 3-lb. bgs. or larger, c.l. lb.	.11 -	.11½
1-lb. bgs., c.l. lb.	.16 -	.20
l.c.l. lb.	.16½-	.20½
1-lb. ctns., c.l. lb.	.18 -	.23
l.c.l. lb.	.18½-	.23½
½-lb. ctns., c.l. lb.	.21 -	.25
l.c.l. lb.	.21½-	.25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

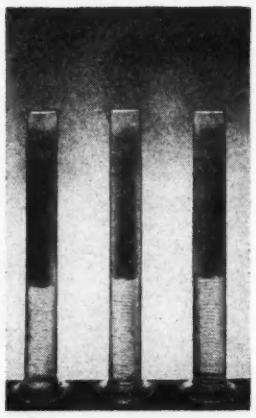
Blue, basic sulphate, bbls., c.l., dlvd. E. lb.	.07½-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.07⅝-	—
l.c.l., dlvd. E. lb.	.07⅝-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.08 -	—
Lead, carbonate (see Lead, white).		
Chloride, fib. dms lb.	.49 -	—
Iodide, NF V. bots lb.	2.60 -	—
jars lb.	2.09 -	—
Linoleate, pale, precip., bbls. lb.	.22½-	—
Metal,[1,6] (see Protective Coatings Materials market).		
Metallic paste, dms., works lb.	No stocks	
Naphthenate, 24%-30% Pb lb.	.14½-	.17½
Nitrate, bbls lb.	.12½-	—
Oleate, bbls lb.	.17⅝-	—
Peroxide, powd., tech., bbls. lb.	.23 -	.30
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. lb.	.09¼-	—
other points lb.	.09 -	—
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash. lb.	.09¾-	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash. lb.	.10¼-	—
Colo., Mont., N. Mex., Wyo. lb.	.10 -	—
other points lb.	.09½-	—
smaller lots, Ala., etc. lb.	.10¼-	—
Ariz., etc. lb.	.10¾-	—
Colo., etc. lb.	.10¼-	—
other points lb.	.10 -	—
in oil, kgs lb.	.14 -	—
97%, Pb_3O_4, bbls., c.l., dlvd. Ala., etc. lb.	.09½-	—
other points lb.	.09¾-	—

LIFE...ON THE



(*Above*) **COLOR FIXATION** of a direct color is illustrated here with samples of yellow spun rayon fabric treated after dyeing at a ratio of 1 lb. of cloth to 30 lbs. of water for 10 minutes at 110° F. in a bath containing AEROSOL C-61. A shows untreated fabric, B treated with 2 lbs. of AEROSOL C-61 per 100 gal. of bath, and C, 0.8 lb. per 100 gal. of bath.

(*Right*) **SOLUBILITY AND FOAMING POWER** of AEROSOL C-61 is shown here with 0.1% of this agent in 5, 10, and 20% H_2SO_4. It is also soluble in concentrated sulfuric acid and chemically stable at temperatures up to 100° C. AEROSOL C-61 is not salted out from solutions containing high concentrations of acetic, sulfuric, hydrochloric, and other acids. The surface tension of 0.1% AEROSOL C-61 in hydrochloric acid at 30° C. is 32.0 in 5% Conc., 31.5 in 10, and 31.1 in 20%; in sulfuric acid, 31.7 in 5, 32.0 in 10, 33.4 in 20, and 40.2 in 80 and 98%.



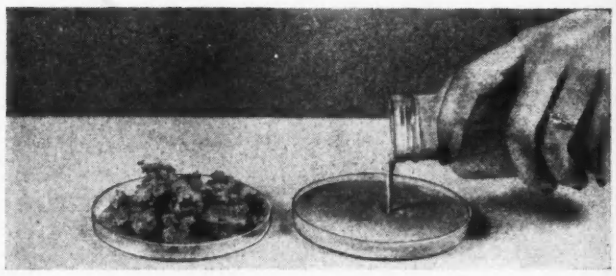
AEROSOL* C-61 CATIONIC SURFACE ACTIVE AGENT OFFERS MANY POSSIBILITIES AS AN AID TO ESTABLISHED PROCESSES

AEROSOL C-61, a newly developed cationic surface active agent, is an ethanolated alkyl guanidine-amine complex of high molecular weight. It is a new product, but already has shown great promise along a wide variety of lines.

Effective in acid, neutral, or alkaline solutions, AEROSOL C-61 possesses, among other characteristics, good detergent, pigment dispersing, softening, dye mordanting, and dye fixing properties.

AEROSOL C-61 is stable in solution at all working temperatures up to the boil. Although slowly dispersible in water at 86° F., it may be dissolved to best advantage by mixing 1 part with 3 parts of water at 140° F. and pouring the resulting solution into the operating bath held at the desired temperature. If the bath temperature is 120° F. or more, it may be added directly to the bath without prior dilution. It is not decomposed by acids or alkalies.

Characteristics, physical properties, and uses of AEROSOL C-61 are given here. Additional information will gladly be supplied by Cyanamid.



(*Above*) **PIGMENT DISPERSING POWER** of AEROSOL C-61 is demonstrated by its effect on a 30% press cake of Benzidine yellow pigment. The press cake, consisting originally of solid lumps, is being poured from a bottle after the addition of 10% AEROSOL C-61 on the weight of the pigment. Such dispersing properties may be utilized in the preparation of highly concentrated pigmented pastes.

AEROSOL C-61

CATIONIC SURFACE ACTIVE AGENT

USES

- Pigment dispersing
- Aiding coagulation and speeding settling of certain dry colors during manufacture
- Mordant for certain types of dyes, particularly wool colors
- Voltage builder in electroplating baths
- Reducing bleeding of fugitive colors
- Controlling crystal growth
- Aiding sedimentation processes
- Increasing absorbency of paper towels
- Cationic detergent
- Inhibiting gas fading tendencies of acetate colors
- Fixing agent for certain dyes and colors
- Wetting agent in acid fluxes
- Frothing agent in acid solutions
- Altering adhesive characteristics of resins to glass
- Aid in parchmentizing paper

PHYSICAL PROPERTIES

Appearance	brown fluid to brown paste
Solidifying point	varies 15° to 30°C.
Solids	approximately 80%
Solubility in water	2 to 3% disperses in water at 30°C. Yields turbid dispersions up to 10%. Gels above 10%
Solubility in dilute acids	infinite
Stability to storage	excellent
Weight per gallon	approx. 8.5 lbs.
pH	9.0 to 11.0 for 1% solution
Calcium tolerance	excellent
Salt tolerance	2—3% NaCl
Acid and alkali stability	excellent
Odor	ammoniacal
Du Nouy surface tension (25°C.) at 0.1%	32.8 (after 2 minutes aging time)

Lead, red, 97% Pb_3O_4, bbls., l.c.l., 5 tons, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10½- —
other points.....lb. .09¾- —
smaller lots, divd. Ala., lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¾- —
98%, Pb_3O_4, bbls., c.l., (20 tons), divd., Ala., etc. lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, divd. Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
Resinate, precip., 23.8% Pb., dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0760
Soyate, 26.15% Pb., dms.....lb. .22¾- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb., dms.....lb. .08¼- —
Titanate, bgs., bbls., c.l., l.c.l., 5 tons, one delivery, E., frt. alld..lb. 11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11¼- —
Pac. Cst., ex whse..lb. .11¾- —

Lead, white, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08¼- —
divd. other points...lb. .08¼- —
l.c.l., divd. Ariz., etc...lb. .08¾- —
other points.....lb. .06½- —
basic sulphate, bbls., c.l., divd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., divd. Ariz., etc. lb. .08 - —
in oil, consumers, kgs.....lb. .13¾- —
painters, kgs.....lb. .12¾- —
Lecithin, edible, dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
in cocoa butter, dms., c.l..lb. .39¼- —
l.c.l.....lb. .40¾- .59
tech., dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
vegetable, pure, bots, 100 lbs. lb. 2.75 - —
Lemon peel, bls.....lb. .30 - .35
Licorice extract, mass, cns....lb. .26 - .72
powd., bbls.....lb. .60 - .68
Root, Indian, bls.....lb. .12 - .14
powder, bbls.....lb. .18 - .20
Russian, bls.....lb. .12 - .18
Spanish, bls.....lb. .12 - .13
Turkish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump, pebble, Adams, Mass..ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkeley, W. Va....ton. 7.50 - —
Buffalo, N. Y.....ton. 9.25 - —
Carey, Ohio.....ton. 7.00 - —

Lime, chemical (quicklime), lump, pebble, Cedar Hollow, Pa. ton. 8.50 - —
Crab Orchard, Tenn..ton. 8.00 - —
Eagle Mountain, Va..ton. 7.65 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 8.00 - —
Knoxville, Tenn.....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 8.00 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va..ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.00 - —
Rippiemead, Va.....ton. 7.65 - —
Riverton, Va.....ton. 7.65 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Texas....ton. 6.00 - —
Sherwood, Wisc.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.50 - —
York, Pa.....ton. 7.50 - —
Hydrated, Adams, Mass....ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkeley, W. Va....ton. 9.00 - —
Buffalo, N. Y.....ton. 9.50 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa.....ton.10.00 - —
Crab Orchard, Tenn...ton. 9.65 - —
Eagle Mountain, Va...ton. 9.15 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton.10.65 - —
Knoxville, Tenn.....ton. 9.65 - —
Le Roy, Minn.....ton.10.00 - —

Lime, hydrated, Limedale, Ark. ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.65 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Menominee, Mich....ton. —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.65 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. Dak...ton.12.00 - —
Rippiemead, Va.....ton. 9.15 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton 8.00 - —
Sherwood, Tenn.....ton.10.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 9.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[6] 20.6% N. (see Ammonia nitrate-lime-stone).
Linalool, cns.....lb. 7.75 - 7.80
Linalyl acetate, ex bois de rose, bots..lb. 3.50 - —
ex lignaloe wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .60 - .65
Linseed meal,[1,7] 34%, bulk, c.l. ton.59.00 - —
32%, bulk, c.l.....ton.57.00 - —
Litharge, com'l, powd., bbls., c.l. divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.lb. 1.90 - —
smaller lots, works.....lb. 1.93 - 1.98
Carbonate, NF, bbls., kgs...lb. 1.28 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, bots.....lb. 5.20 - —
jars.....lb. 5.05 - —
Stearate, fib. dms., works....lb. .50 - —
Lithopone,[1] ordinary, bgs., c.l. (20 tons)..lb. .04¼- —
l.c.l.....lb. .04½- —
bbls., c.l.....lb. .04¼- —
l.c.l.....lb. .04¾- —
titanated (high-strength), bgs., c.l..lb. .0690- —
smaller lots.....lb. .0665- —
bbls., c.l.....lb. .0665- —
smaller lots.....lb. .0610- —
Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ¼c. higher.
Liverwort leaves, bls.....lb. .65 - .70
Lobelia herb, bls.....lb. 1.10 - 1.15
Lobeline sulphate, bots., whs..oz.23.50 -23.60
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .22 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15¼- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bgs., l.c.l....lb. .28 - —
No. 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .25 - —
No. 3, bgs., l.c.l.....lb. .23¼- —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .20¼- .64½
Lovage root, American (ligusticum actaeifolium), bls..lb. 1.30 - 1.50
Lupulin, NF, tin.....lb.12.75 -13.50
Lycopodium, USP, cs.....lb. 1.50 - 1.75

M

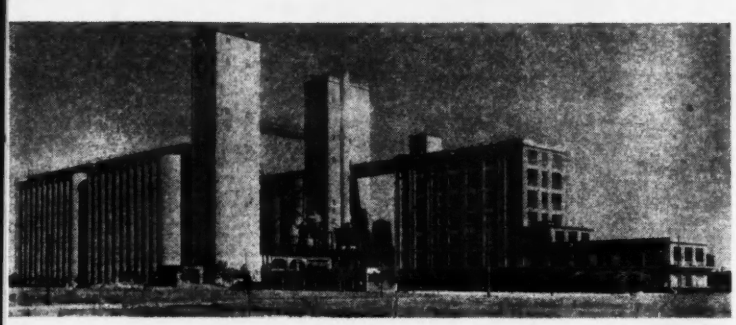
Mace,[7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .90 Nom.
West Indian, bgs.....lb. .60 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .152 - .19
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07¼- —
l.c.l., Zone 1.....lb. .08¼- —
kgs., c.l., Zone 1.....lb. .06¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1.....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08¼- —
l.c.l., Zone 1.....lb. .09¼- —
kgs., c.l., Zone 1.....lb. .06¾- —
l.c.l., Zone 1.....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., divd..lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .30 - .31
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .90
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .06 - .09
Stearate, ctns.....lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .43 - —

CHEMICAL NEWSFRONT

(*Left*) **CYANAMID'S BEETLE* PLASTIC,** so often chosen by manufacturers for its color and beauty, has now been adopted for a new product that specializes in beauty. This device, the Beautiator, is an electrical manicurist, made by the Abar Manufacturing Company of Cleveland, Ohio, and powered by a 1/200-hp, air-cooled motor. The construction and operation of the Beautiator are interesting since they are somewhat revolutionary.

A study was made of the biological growth and health of fingernails, and upon the basis of these facts, it was decided that the perfect manicure or pedicure should include the following operations: disc filing, cuticle rolling, cuticle whisking, nail buffing, and oil massaging. Various attachments perform these operations.

Factory tests indicate that the new manicuring machine will give trouble-free performance under normal conditions for at least 20 years. An essential feature of the Beautiator's attractive appearance and assured long life, is the smart, sanitary, colorful housing of BEETLE plastic, molded by the International Plastics Company.



(*Above*) **TODAY'S "MILL STREAM",** the course pursued by flour during its processing within the mill, is always subject to insect infestation. Periodic fumigation with Cyanamid's Liquid HCN rids mills of insect pests just as Cyanamid's CYANOGAS* Fumigant applied to grain eliminates infestations in grain elevators. Where general mill fumigations are not possible, or to maintain a low level of infestation between fumigations, another Cyanamid product, ACRYLON**, is an effective local or "spot" fumigant. The high toxicity of ACRYLON assures a thorough kill of all mill insects and their larvae. Dosages for different machines and units are provided.

(*Above*) ACRYLON, made up of equal parts of acrylonitrile and carbon tetrachloride, can be poured directly into boot, sifter, or conveyor, which act as fumigation chambers. It vaporizes and effects 100% kill in from 16 to 24 hours without harmful effect on the flour. ACRYLON leaves no odor, color, residue, or caked material in the machines.

*Reg. U. S. Pat. Off. **Trade-Mark

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Magnesite, cal., powd., bgs., c.l., mines, Calif.	ton.	58.75	—
dead-burnt,[1] bulk, c.l., Chewelah, Wash.	ton.	22.00	-32.00
Maleic anhydride, dms., c.l.	lb.	.25	—
l.c.l.	lb.	.26	—
Malva flowers, black, bls.	lb.	No stocks	
blue, bls.	lb.	1.50	- 1.60
Leaves, bls.	lb.	.40	- .41
Manaca root, bls.	lb.	.50	- .51
Mandrake root, bls.	lb.	.38	- .84
Manganese acetate, dms.	lb.	.25½	—
Arsenate,[6] bgs.	lb.	.12	- .12½
Borate, tech., bbls.	lb.	.16	- .18
Carbonate, bbls.	lb.	.19	—
Chloride, anhyd., bbls., wks.	lb.	.14	- .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works.	ton.	74.00	—
smaller lots, works.	ton.	77.00	-82.00
Caucasian, 85-90%, bbls., c.l., works.	ton.	74.00	—
smaller lots, works.	ton.	77.00	-82.00
burlap bgs., c.l., works.	ton.	71.75	—
l.c.l., works.	tou.	74.75	-79.75
paper bgs., c.l., works.	ton.	70.00	—
l.c.l., works.	ton.	73.00	—
Glycerophosphate, fib. dms., 1,000-lb. lots.	lb.	3.05	—
100-lb. lots.	lb.	3.15	—
cns., 25 lbs.	lb.	3.27	—
Hydrate, bbls., divd.	lb.	.26	—
Iodide, bots.	lb.	5.70	—
jars	lb.	5.55	—
Linoleate, liquid, 4%, dms.	lb.	.20	—
solid, precip., 8.2%, bbls.	lb.	.22	—
Naphthenate, 6% Mn, dms.	gal.	.16	—
Resinate, fused, 8½%, bbls.	lb.	.09	- .10½
precip., dms.	lb.	.14½	- .15½
Manganese, soyate, 8.2% Mn, dms.	lb.	.22	- —
Sulphate, anhyd., dms., works.	lb.	No stocks	
feed grade, 77-80%, bgs.	lb.	.04	- .05
fertilizer grade, 65%, bgs., c.l., divd. East.	ton.	59.50	- —
l.c.l., same basis, or Balto. or Cincinnati	ton.	68.50	- —
industrial grade, 80%, bgs.	lb.	.05	- .05½
Tallate, 4%, Mn, dms.	lb.	.09	- —
Mangrove bark,[1,6] E. Africa, 38% tannin, c.l., ex dock, U. S. ports.	ton.	60.00	-61.00
Manna, flake, large, cs.	lb.	No stocks	
small, cs.	lb.	No stocks	
Mannitol,[6] com'l, bbls., works.	lb.	.35	- .40
reagent, cs. or multiples, works.	lb.	.35	- —
Marjoram, Argentine, bls.	lb.	.14	Nom.
California, French type, new crop, bls., Pacific Coast.	lb.	.34	- .35
Chilean, bls.	lb.	.11	- .11½
Matico leaves, bls.	lb.	.22	- .29
Menadione, USP, bots., works, gram.		.10	- —
Menthol, natural, USP, cns.	lb.	6.15	- 6.25
synthetic, tech, cns.	lb.	No prices	
USP, laevo, cns.	lb.	No prices	
racemic, cns.	lb.	5.10	- 5.25
Menthyl salicylate, tins.	lb.	3.00	- 3.10
Mercurial ointment, USP, mild, 10%, tubs.	lb.	.70	- .72
30%, pails	lb.	1.30	- —
50%, pails	lb.	1.88	- 1.90
Mercury bichromate (see Corrosive sublimate).			
Bisulphate, dms.	lb.	2.59	- 2.61
Chloride (see Calomel).			
Cyanide, cryst., powd.	lb.	3.66	- —
Mercury iodide, red, NF, dms.,	kgs.	4.30	- —
yellow, fib. dms., kgs.	lb.	4.35	- —
Nitrate ointment (see Citrine ointment).			
Oxide, red, NF (see Red precipitate).			
yellow, USP, fib. dms.	lb.	2.94	- 2.96
tech. (see Yellow, mercury oxide).			
Mercury and chalk, dms.	lb.	1.66	- 1.76
Mesityl oxide, dms., c.l., divd.	lb.	.11½	—
l.c.l., divd.	lb.	.12	—
tanks, divd.	lb.	.10½	—
Metal leaf, composition, 5½x5½ in.	pkg.	3.00	- —
Gold X+, deep, 23, 3⅜x3⅜ in.,	pkg.	15.00	- —
Silver, 3⅜x3⅜ in.	pkg.	3.00	- —
Metanitroparatoluidin, bbls.	lb.	1.05	- 1.10
Metaphenylenediamine, kgs.	lb.	.65	- —
Metatoluylenediamine, kgs.	lb.	.70	- —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R.	gal.	.63	- —
l.c.l., same basis	gal.	.73	- —
tanks, same basis	gal.	.60	- —

Inside prices on natural methanol W. of Miss. R., 3c. higher.

synthetic, dms., c.l., Zone 1, frt. lld.	gal.	.31	- —
2, frt. alld. or divd.	gal.	.34	- —
3, frt. alld.	gal.	.36	- —
4, frt. alld.	gal.	.36	- —
l.c.l., Zone 1, frt. alld. or divd.	gal.	.36	- —
2, frt. alld.	gal.	.43	- —
3, divd. S. F. and L. A.	gal.	.41	- —
4, frt. alld. or divd.	gal.	.61½	- —
Methanol, synthetic, tanks, Zone 1, frt. alld.	gal.	.24	- —
2, frt. alld.	gal.	.27	- —
3, frt. alld.	gal.	.29	- —
4, frt. alld.	gal.	.29	- —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., divd.	lb.	.09¼	—
10 dms., divd.	lb.	.10½	—
1-9 dms., divd.	lb.	.11½	—
hydrogenated, non-ret. dms., c.l., divd.	lb.	.12	- .15½
10 dms.	lb.	.13¼	- .16½
1-9 dms.	lb.	.14¼	- .17½
Acetate, CP, 97-98%, dms., c.l., E. of Miss.	lb.	.10½	- .12
W. of Miss.	lb.	.11½	- .12
l.c.l., E. of Miss.	lb.	.11	- .14
W. of Miss.	lb.	.12	- .13½
tanks, E. of Miss.	lb.	.09½	—
W. of Miss.	lb.	.10½	—
tech., dms., c.l., E. of Miss.	lb.	.07	- .09
W. of Miss.	lb.	.08	—
l.c.l., E. of Miss.	lb.	.07½	- .11
W. of Miss.	lb.	.08½	- .10½
tanks, E. of Miss.	lb.	.06	—
W. of Miss.	lb.	.07	—
Acetoacetate, dms., c.l., works, frt. alld.	lb.	.30½	—
Acetone, natural, Group A, dms. incl. E. of Miss., frt. alld.	gal.	.66	- —
l.c.l., same basis	gal.	.76	- —
tanks, same basis	gal.	.60	- —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld.	gal.	.63	- —
Zone 2, same basis	gal.	.65	- —
Zone 3, same basis	gal.	.67	- —
Zone 4, same basis	gal.	.69	- —
l.c.l., Zone 1, same basis	gal.	.66	- —
Zone 2, same basis	gal.	.69	- —
Zone 3, same basis	gal.	.70	- —
Zone 4, same basis	gal.	.83	- —
tanks, Zone 1, same basis	gal.	.60	- —
Zone 2, same basis	gal.	.62	- —
Zone 3, same basis	gal.	.64	- —
Zone 4, same basis	gal.	.64½	- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1.	gal.	.51	- —
Zone 2.	gal.	.52	- —
Zone 3.	gal.	.53½	- —
Zone 4.	gal.	.74½	- —
dms., l.c.l., Zone 1.	gal.	.54½	- —
Zone 2.	gal.	.57	- —
Zone 3.	gal.	.58	- —
Zone 4.	gal.	.59½	- —
tanks, Zone 1.	gal.	.43	- —
Zone 2.	gal.	.44½	- —
Zone 3.	gal.	.45½	- —
Zone 4.	gal.	.45½	- —

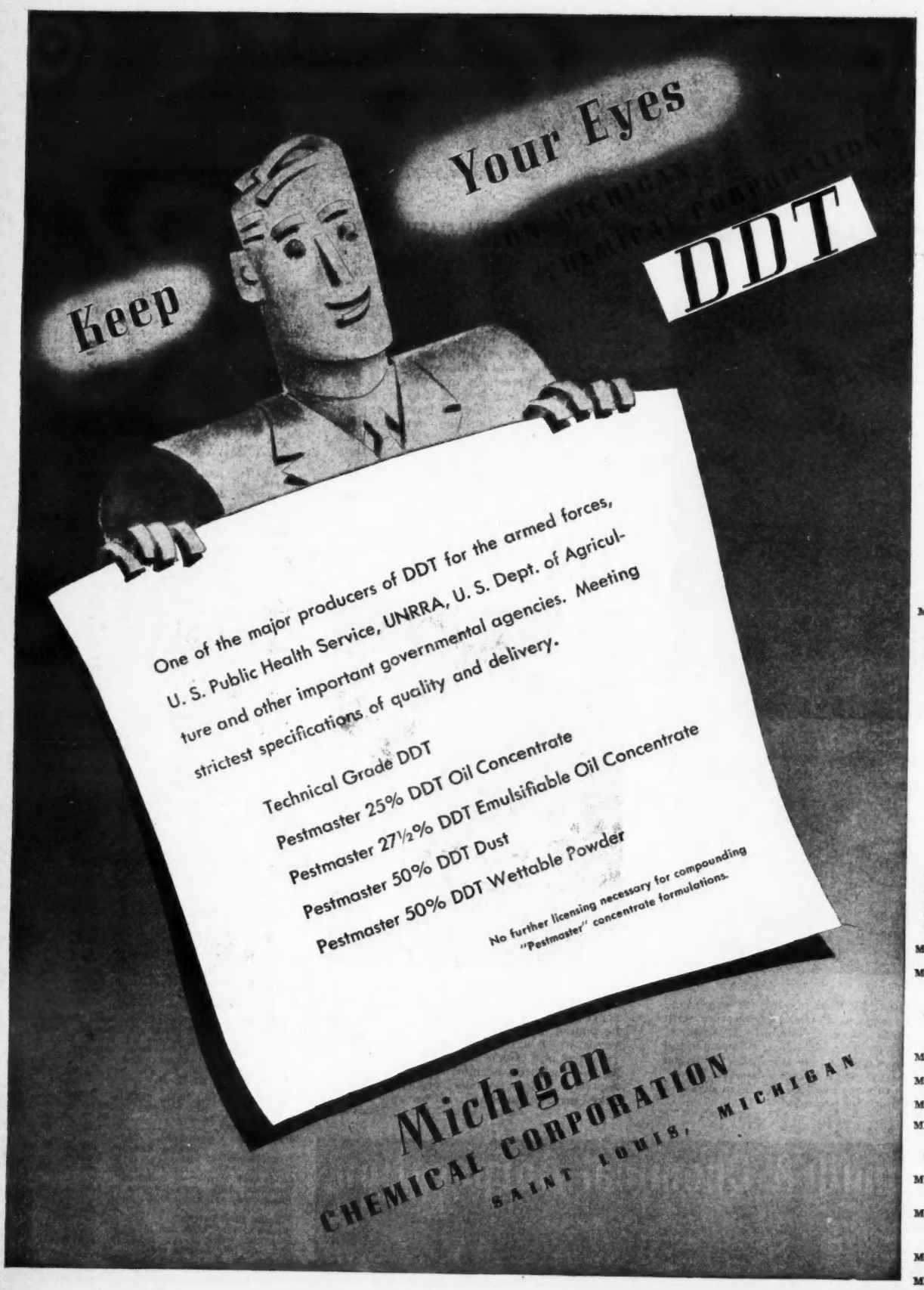
Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl alcohol (see Methanol).

Anthranilate, dms.	lb.	1.80	- 1.85
bots., cns.	lb.	2.20	- 2.25
Benzoate, cns.	lb.	.48	- .51
Benzoate, cns.	lb.	.45	- .47
cyls.	lb.	.65	- .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders.	lb.	.32	- —
service men and consumers, cyl.	lb.	.36	- —
60 to 499 lbs., mach. mfrs. and jobbers.	lb.	.38	- —
service men and consumers, cyl.	lb.	.36	- —
tanks, multi-unit, machine mfrs. and jobbers.	lb.	.31	- —
service men and consumers.	lb.	.34	- .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.	lb.	2.50	- 3.50
Formate, dms.	lb.	.89	- —
Iodide, bots.	lb.	4.00	- 4.15
Lactate, dms., c.l., divd.	lb.	No stocks	
Oleate, dms., c.l.	lb.	.25	- —
Salicylate,[1] dms., 500 lbs.	lb.	.35	- —
25-50 lbs.	lb.	.57	- .83
Methylamyl ketone, cns., dms., works.	lb.	No stocks	
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld.	lb.	.60	- —
smaller lots, frt. alld.	lb.	.65	- .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld.	lb.	.53	- —
smaller lots, frt. alld.	lb.	.58	- .63
Methylcyclohexane, 98-100%, dms., works.	lb.	.16	- —
Methylcyclohexanol, 98-100%, dms., works.	lb.	.23	- —
Methylcyclohexanone, 98-100%, dms., works.	lb.	No stocks	
Methylene blue, USP, kgs., works.	lb.	2.00	- 2.15
cns., works.	lb.	2.35	- —
Chloride, refrig., dms., wks.	lb.	.18	- .20
solvent, dms., works.	lb.	.12	- .15
Methyleneanilin, lbs., ton lots, min. frt. alld.	lb.	.36	- —
smaller lots, same basis.	lb.	.37	- —
Methylethyl ketone, dms., divd.	lb.	.09	- —
l.c.l., divd.	lb.	.09¼	- —
tanks, divd.	lb.	.08	- —
Methylhexyl ketone, dms., tech., works.	lb.	.60	- —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).			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Your Eyes
DDT
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Technical Grade DDT
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Pestmaster 50% DDT Dust
Pestmaster 50% DDT Wettable Powder
No further licensing necessary for compounding "Pestmaster" concentrate formulations.
Michigan
CHEMICAL CORPORATION
SAINT LOUIS, MICHIGAN

Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.36.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
60 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -46.50
graphitic, bulk, Pa., mines, ton.30.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14½- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l.....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content. lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%..lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
Mullein leaves, cns.....lb. .12 - .15
smaller containers, works...lb. .75 - —
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.20
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.55
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.00
Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14½- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .25¼- .25¾
Montana, brown, bgs.....lb. .11 - .11½
oriental, bgs.....lb. .11½- .12
yellow, bgs.....lb. .20 - .20½
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs...lb. .26 Nom.
Myrobalans,[1] whole J1, U. S. ports, ex dock..ton.54.00 -55.00
J2, same basis.....ton.49.00 -50.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.)
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .08 - .08½
bbls., c.l., same basis..lb. .081 - .086
tanks, same basis.....lb. .0275- .0825
crude, dms., 78°, bgs., c.l., same basis..lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0350
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms., works, lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.

Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms., works, kilo.11.00 -11.30
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —

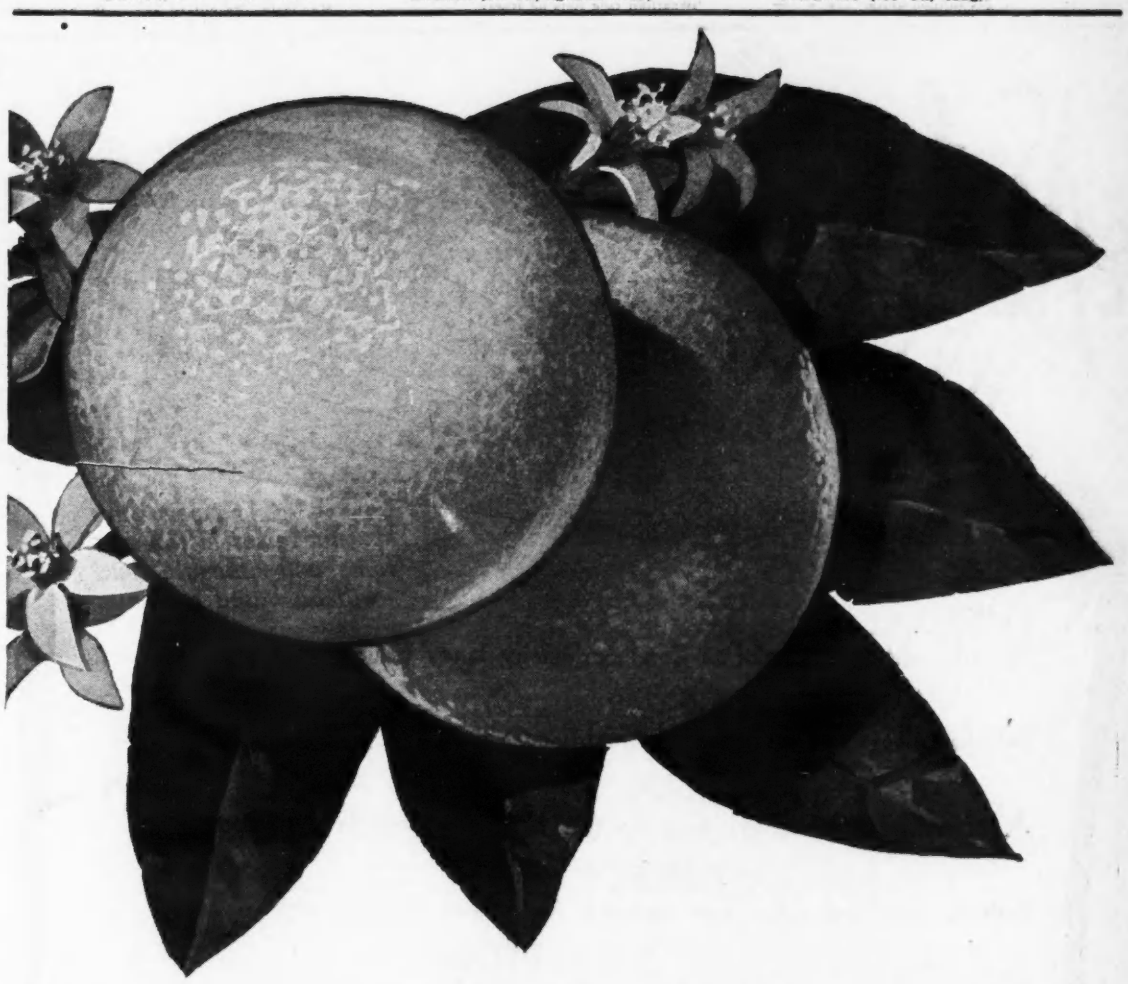
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton. 2.0[illegible] - 3.00

Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[5] bgs. .....lb. .50 - .52
Nutmegs,[7] West Indian, bgs., July-Sept..lb. .50 - .52
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .20 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.75 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns.....lb. 1.15 - 1.45
Angelica root, bots.....lb.120.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, Chinese, dms..lb. 2.25 - 2.75
Russian, cns.....lb. 4.00 - —
Apricot kernel, cns.....lb. .55 - .65
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.40 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 6.00 - 7.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.10 - 5.25
Mexican (see Oil, lignaloe wood)
Oil, bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 - —
redistilled, USP IX, cns....lb. 2.40 - 2.75
Calamus, cns.....lb.20.00 -28.00
Camphor, synthetic, white, cns. lb. .165 - .40
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.00 - 8.75
Cardamom, bots. .....lb.17.00 -22.50
Cassia, USP, cns.....lb. 5.50 - 6.50
Castor,[1] blown, ref. dms., c.l. lb. .16½- —
l.c.l. .....lb. .17¼- —
cold pressed, USP, cns.....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l. .....lb. .15¾- —
tanks .....lb. .1450- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l. .....lb. .2015- —
tanks .....lb. .1925- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l. .....lb. .1915- —
tanks .....lb. .1825- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l. .....lb. .15¼- —
tanks .....lb. .14 - —
sulphonated, 50% (48% fat), dms., c.l...lb. .10 - .10¼
l.c.l. .....lb. .10¾- .11
75% (63% fat), dms., c.l..lb. .12⅛- .12⅝
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12⅝- .13
l.c.l. .....lb. .13¼- .13¼
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns., dms..lb. 1.00 - 1.30
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).



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ORANGE
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Oil, cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.75 - 1.90
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y..lb. .0585- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0535- —
ret. dms.....lb. .0585- .0665
edible, ex tax, bulk.....lb. .0965- —
Cod, Newfoundland, dms....gal. .88 - .90
tanks.....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb.19.50 -22.50
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks.....lb. .1503- —
foots, acid, 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E.lb. .09¾- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13½
foots, acid 95%, tanks, divd. E..lb. .07¾- —
raw, 50%, tanks, divd. E.lb. .09¾- —
mlsd, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. 4.65 - 4.75
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb.22.00 - —
Cypress, bots.....lb.12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.10 - 1.40
Fennel, sweet, cns.....lb. 2.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —

Oil, fishliver, for each 1,000 additional A units up to 200,000 per gram..... per million units. .001 - —
300,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.19.00 - —
Bourbon, cns.....lb.17.00 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -14.00
Grapefruit, Florida, cns.....lb. 2.50 - 2.75
California, bots., cns.....lb. 2.05 - 2.15
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.00 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .90 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.75 - 5.50
Lavender flower, French, 38%-42%, ester, cns..lb.12.00 -17.00
30-32% ester.....lb. 8.50 -12.00
Russian, cns.....lb.14.50 - —
spike, Spanish, pure, cns...lb. 2.65 - 3.10
tech., cns.....lb. 2.25 - 2.50
Lemon, USP, Calif., cns.....bl. 3.25 - —
Messina,[1] cns.....lb. 3.25 - 3.65
Terpeneless, bots.....lb.42.00 -50.00
Lemongrass, cns., dms.....lb. 3.50 - 4.00
Lignaloe seed, Mexican, cns..lb. No stocks
wood, Mexican, cns.....lb. 4.50 - —
Brazilian (see Bois de Rose).

Oil, lime, distilled, Mexican, cns.lb. 5.75 - 7.25
West Indian, cns.....lb. 6.10 - 7.50
expressed, West Indian, cns.lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1550- —
l.c.l.....lb. .1600- .1660
tanks.....lb. .1470- —
tankwagon.....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. tanks.....lb. .1400- .1550 .1420- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¾-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks.gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mineral, white (see Oil, white
Mandarin, Brazilian, cns....lb. 6.00 -10.00

Oil, menhaden,[1,7] crude, tanks, Balto..lb. .0690- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks.....lb. .1225- —
mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.60 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16¼
Neroli, French, bots.....lb.185.00 -200.00
Haitian, bots.....lb.195.00 -200.00
Officica,[1] liquid, dms., c.l..lb. .25¼- —
l.c.l.....lb. .25½- —
Oleo,[1] extra, dms., Chicago..lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 4.75 - 5.20
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-4½% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
Olive, foots,[1] dom., dms., c.l..lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .19 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l.....lb. No stocks
60% (68% fats), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
65% (68% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.35 - 1.85
expressed, USP, Brazilian, cns..lb. 1.35 - 1.65
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.60 - 1.90
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 2.75
sesquiterpeneless, bots.....lb.100.00 -113.00
Origanum, Spanish, cs.....lb. 2.40 - 2.85
Palm,[1,7] Niger, dms.....lb. .0665- —
Palmarosa, cns.....lb. 8.00 - 8.25
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0665 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .06½- —
10/25 pour, same basis.gal. .06¾- —
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, divd. E..lb. .1501- —
crude, tanks, works.....lb. .12½- .13¾
foots, acid, 90%, tanks, divd. E..lb. .08 - —
raw, 50%, tanks, divd. E..lb. .04 - —
hydrogenated, tanks, divd. E., lb. .1573- .1575
Pennyroyal, dom., dms., cns..lb. 3.25 - 3.50
import, cns.....lb. 3.35 - 4.00
Peppermint,[1] natural, dms...lb. 6.75 - 7.00
redist., USP, dms.....lb. 7.00 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms..lb. 4.00 - 4.35
Pimenta, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 3.75 - 5.75
Pine,[1] rst. dms., c.l., divd. E. gal. .62 - .69½
l.c.l., divd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lbs. 3.45 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal..gal. .23½- —
contracts.....gal. .19½- —
dms., c.l., Whiting, Ind...gal. *.24 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., d'vd. E. of Rockies..lb. .13¼- —
W. of Rockies.....lb. .14¾- —
Texas and Okla.....lb. .12¾- —
tanks, divd. E. of Rockies..lb. .12¼- —
W. of Rockies.....lb. .13¼- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla.....lb. .16¾- —
special, non-ret. dms., bbls., c.l., divd. E. of Rockies. lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17¼- —

Red oil prices for ton lots are ¼ cent per pound higher, and 1c. higher for less than ton lots.

Rose, natural, coppers.....oz 31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.50
USP, cns., dms.....lb. 1.40 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2nd rectified, dms.....gal. .69 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 6.25 - —
Spanish, cns.....lb. 2.45 - 3.25
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -11.25
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks.....lb. .1225- —
Sassafras, natural, cns., dms.lb. 2.00 - 2.30
artificial, dms.....lb. .75 - .84
Savin, cns.....lb. No stocks
Savory, cns.....lb. 3.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .23 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1290 -.1335
tanks.....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E..lb. .03½- —
refd., varnish, dms.....lb. .1390- .1400
tanks.....lb. .1240- .1247
Spearmint, dms.....lb. 5.50 - —
Sperm, bleached, 38°, dms...lb. .1445- —
natural, 45°, dms.....lb. .1310- .1311
Spruce,[1] cns., dms.....lb. 2.65 - 2.75
Sunflower, imported, refined, tanks..lb. .1428- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 5.00 - 7.00
South, cns.....lb. 2.50 - 3.25

Newly Developed AROMATIC CHEMICALS

The new odor successes in the perfume and cosmetic field will be based on these.

CUIRUSAL
Powerful aldehyde useful in floral and many fancy bouquets.

ALDEHYDE FK
Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

RESEDALIA
A chemical surprisingly true to the odor of Reseda Mignonette.

TUBEROL
Basis for Tuberose odors and perfumes for creams, lotions, etc.

VIOLETTONE
A Ketone basis for Violet Odors with Patchouly note.

JASMINOL
Similar in odor to Alpha Amyl Cinnamic Aldehyde but softer and finer. Stable in soaps and creams. Basis for Jasmin Odors.

ETHYLENE GLYCOL ACETAL OF PHENYL ACETALDEHYDE
Softener and homogenizer for all types of Floral Odors.

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CYCLAMAL—An aldehyde replacing Hydroxy Citronellal.
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ESTABLISHED 1910 GD AROMATICS DIVISION

Oil, tall,[1] crude, dms., c.l., works, ton. 55.00 -55.00
l.c.l., works, ton. 58.00 -60.00
tanks, works, ton. 40.00 -45.00
refined, dms., c.l., works, lb. .05 - .05½
l.c.l., works, lb. .06½- —
tanks, works, lb. .04½- —
Tallow, acidless, bbls, lb. .14½- —
tanks, lb. .13¾- —
Tansy, cns., lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities, gal. .32¾- —
l.c.l., works, gal. .29¾- —
tanks, dlvd. E. cities, gal. .27 - —
rectified, USP, bbls, gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns, lb. 2.80 - 3.35
white, cns, lb. 2.95 - 3.75
Tung,[1] dms., c.l, lb. .32 - .32½
l.c.l, lb. .40 - .41
tanks, lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms., lb. .25 - .29
Vetiver, Bourbon, cns, lb. 37.50 -42.00
Whale,[1] ref., natural, dms., lb. No stocks
Winter bleached, dms, lb. No stocks
Wheat germ, dms, gal. 10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l, gal. .37 - —
l.c.l, gal. .40 - .44
65-75 vis., dms., dms. incl., c.l., gal. .38 - —
l.c.l, gal. .41 - .45
USP, 80/90 vis., dms., dms. incl., c.l., gal. .40 - —
l.c.l, gal. .43 - .47
125/135 vis., dms., dm. incl., c.l., gal. .49 - —
l.c.l, gal. .52 - .56
145/155 vis., dms., dms. incl., c.l., gal. .51 - —
l.c.l, gal. .54 - .58
175/185 vis., dms., dms. incl., c.l., gal. .52 - —
l.c.l, gal. .55 - .59
200/210 vis., dms., dms. incl., c.l., gal. .56 - —
l.c.l, gal. .59 - .63
335/345 vis., dms., dms. incl., c.l., gal. .64 - —
l.c.l, gal. .67 - .71
55, 70 and 85 vis., non-ret. dms., San Francisco, gal. .42 - —
smaller lots, same basis, gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco, gal. .51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis, gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco, gal. .59 - —
smaller lots, same basis gal. .61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco, gal. .62½- —
smaller lots, same basis gal. .64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco, gal. .74 - —
smaller lots, same basis gal. .76 - .79
Wintergreen, natural, North, cns., lb. 5.50 -12.00
South, cns, lb. 3.65 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns, lb. 5.00 - 5.16
Wormwood, cns, lb. 4.85 -10.00
Ylang-ylang, Bourbon, extra, bots., lb. 13.50 -24.50
first, bots, lb. 14.50 -18.50
second, bots, lb. 11.00 -14.50
third, bots, lb. 6.00 - 9.50
Oleostearin,[1,7] dms., Chicago, lb. .1061- —
Olivine, aggregate, c.l., mines, ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works, ton. 8.00 - —
paper bgs., c.l., works, ton. 9.50 - —
lumps, paper bgs., c.l., works, ton. 7.00 - —
spalls, paper bgs., c.l., works, ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots, lb. 13.00 - —
25-lb. lots, lb. 13.25 - —
smaller lots, lb. 13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium, selenide, bbls., 100-lb. lots, works, lb. 1.50 - —
Dinitroaniline, toner[1], lb. 1.05 - —
Molybdate,[1] bbls, lb. .41 - —
Orthonitroaniline toner,[5] bbls., kgs., works, lb. .80 - 1.05
Persian,[1] bbls, lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash., lb. .12¾- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo., lb. .12¾- —
other points, lb. .12 - —
smaller lots, Ala., etc., lb. .12¾- —
Ariz., etc, lb. .13¼- —
Colo., Mont., N. M., Wyo., lb. .12 - —
other points, lb. .12½- —
Orange flowers, cs, lb. .48 - .50
Orange peel, bitter, Haitian, bgs, lb. .13½- —
sweet, bls, lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs., lb. .06½- .09
flat leaf, bgs, lb. .06¼- .09¾
Orris root, Florentine, bls, lb. .43 - .44
Verona, bls, lb. No stocks
Portuguese, bls, lb. .45 - .47
Orthoamylphenol, dms., works, lb. .25 - —
Orthoanizidin, bbls, lb. .70 - —
Orthochloraniline, dms, lb. .60 - —
Orthochlorophenol, dms, lb. .25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works, lb. .17½- .18
l.c.l., works, lb. .18 - .18½
30° C. min., M.P., dms., c.l., works, lb. .16½- .17
l.c.l., works, lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis, lb. .08 - —
tanks, same basis, lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroaniline, dms, lb. .43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works, lb. .10 - —
l.c.l., works, lb. .11 - —
grade B, dms., c.l., works, lb. .06 - —
l.c.l., works, lb. .07 - —
Orthonitrochlorobenzene, dms, lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms, lb. .09 - —
Orthophenetidin, dms, lb. .82 - —
Orthotoluidin, dms, lb. .19 - —
Osage orange crystals, bbls, lb. .29 - —
extract, No. 1, bbls, lb. .14 - —
Ouabaine, USP, bots, gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works, lb. 3.50 - —
small lots, works, lb. 3.75 - 4.15

P

Papain, powd., cs, lb. 4.58 - 4.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots, oz. 7.00 - —
smaller lots, oz. 7.05 - 7.35
Sulphate, cns, oz. 7.10 - 7.35
Paprika,[2] Calif., sweet Caliente, ground, bgs., lb. .40 - .41
Chilean, bgs, lb. .30½- .36½
Portuguese, bgs, lb. .38 - .42
Spanish, bgs, lb. .44 - .45
Para-anisaldin, dms., works, lb. .75 - —
Parachlorophenol, dms., c.l., works, lb. .24 - —
l.c.l., same basis, lb. .25 - .27
Paracresol, bbls., works, lb. .41 - —
Paracymene, dms., c.l., works, lb. .1595- —
l.c.l., same basis, lb. .1645- —
tanks, same basis, lb. .1545- —
Paradichlorobenzene, dms., c.l., works, lb. .11 - .12
l.c.l., same basis, lb. .12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery, lb. .04¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery, lb. .05 - —
120-122 ASTM, refinery, lb. .0520- —
122-124 ASTM, refinery, lb. .0520- —
125-127 ASTM, refinery, lb. .0560- —
127-129 ASTM, refinery, lb. .0585- —
128-130 ASTM, refinery, lb. .0585- —
130-132 ASTM, refinery, lb. .0615- —
132-134 ASTM, refinery, lb. .0640- —
135-137 ASTM, refinery, lb. .0715- —
140-142 ASTM, refinery, lb. .0810- —
146-148 ASTM, refinery, lb. .1050- —
Prices in bags 4/10c. lb. higher.
Paraformaldehyde, dms., 1,000 lbs. or more, works, lb. .21 - —
smaller lots, works, lb. .22 - —
Paraldehyde, tech., 96%, 85 and 110-gal. dms., l.c.l., wks., lb. .12 - —
10-gal. dms., works, lb. .15 - —
USP, obys., cns, lb. .35 - .45
Paranitroaniline, kgs., works, lb. .41 - .43
Paranitrochlorobenzene, kgs., wks, lb. .15 - —
Paranitrophenol, kgs, lb. .35 - —
Paranitrotoluene, kgs., works, lb. .30 - —
Paraphenylenediamine, tech., kgs, lb. 1.25 - —
Paratoluenesulphonamide, bbls, lb. .70 - —
Paratoluidin, bbls., works, lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld., lb. .20 - .27
l.c.l., same basis, lb. .22 - .28
Passion flower herb, bls, lb. .80 - .82
Patchouli leaves, bls, lb. .38 - .40
Pectin, bbls, lb. 1.25 - —
Penicillin,[4,6] ampule, per 100,000 units. .60 - .75
Pennyroyal leaves, bls, lb. .34 - .35
Pentachlorophenol, dms., works, lb. .30 - .33
Pentaerythritol, CP, bbls., dlvd., lb. .75 - —
smaller containers, lb. 1.00 - —
tech., bbls., c.l, lb. .27 - —
l.c.l, lb. .31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., dms., Group 3, gal. .19 - —
tanks, Group 3, gal. .07½- .07¾
laboratory grade, 10-gal. cns., dlvd. E., gal. .55 - —
dms., c.l., Group 3, gal. .16 - —
l.c.l., Group 3, gal. .29 - —
Pepper, black,[1,7] 15 tons, bgs., lb. .15 - .15½
50 to 100 bgs, lb. .15½- .16¼
25 to 49 bgs, lb. .16¼- .16½
5 to 24 bgs, lb. .16½- .17
Red, capsicum, Carolina, longs, new crop, bgs., ship't point, lb. No stocks
sports, old crop, bgs, lb. No stocks
Louisiana, sports, bgs, lb. No stocks
long, new crop, bgs., ship't point, lb. No stocks
Chillies, Haitian, bgs, lb. .55 - .60
Mexican, long, lb. .43 - .44
Niger, lb. .55 - .56
White,[1,7] bgs., 15 tons, lb. .23 - .23½
Peppermint, dom., USP, bls, lb. 1.20 - 1.25
imported, USP, bls, lb. 1.40 - 1.50
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld., lb. .0772- .0800
Zone 2, same basis, lb. .0832- .0850
Zone 3, same basis, lb. .0882- .0900
Zone 4, same basis, lb. .0876- .0900
l.c.l., Zone 1, same basis, lb. .0882- .0850
Zone 2, same basis, lb. .0882- .0900
Zone 3, same basis, lb. .0932- .0950
Zone 4, same basis, lb. .0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms, lb. 1.25 - 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3, lb. .021 - —
golden topaz, bbls., c.l, lb. .032 - —
l.c.l, lb. .036 - —
red, veterinarian, bbls., c.l, lb. .024 - —
l.c.l, lb. .028 - —

Methallyl chloride and methallyl alcohol are new allyls now available in trial-lot quantities from Shell Chemical Corporation. Chemical properties are similar to allyl chloride and allyl alcohol — made available in commercial quantities last year.

METHALLYL CHLORIDE undergoes the usual replacement reactions of the chlorine atom, and reactions involving the double bond. Ammonolysis produces primary, secondary and tertiary amines; chlorohydrination produces dichloro-tertiary-butyl alcohol. Methallyl chloride hydrates easily in the presence of aqueous solutions of mineral acids to produce chloro-tertiary-butyl alcohol.

In addition, methallyl chloride is an effective fumigant for grains, tobacco and dried fruits.

METHALLYL ALCOHOL readily forms esters. Those of lower organic acids are formed by distillation of the alcohol with the desired acid. Dibasic esters can be conveniently prepared by reacting acid anhydrides with methallyl alcohol in the presence of p-toluene sulfonic acid.

These esters undergo polymerization in the presence of peroxide catalysts . . . the dibasic esters yielding hard, chemically resistant, thermosetting resins. Methallyl alcohol thus offers new possibilities in the growing field of allyl resins.

PHYSICAL PROPERTIES

	METHALLYL	
	CHLORIDE	ALCOHOL
Boiling Point °C.@ 760 mm.	72.2	114.5
Specific Gravity 20/4°C.	0.9257	0.8515
Refractive Index 20/D	1.4276	1.4255
Solubility in Water @ 20°C.	Less than 0.1 grams per 100 grams	Approx. 17 grams per 100 grams
Flash Point °F. (Tag Open Cup)	14	94

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 — 500 Fifth Avenue, New York 18
Los Angeles · Houston · St. Louis · Chicago · Cleveland

Petrolatum, USP, amber, non-ret.			
.. dms., c.l.	lb.	.03½-	—
l.c.l.	lb.	.04½-	—
extra amber, dms., c.l.	lb.	.03¾-	—
l.c.l.	lb.	.04¾-	—
cream, c.l., dms.	lb.	.05 -	—
l.c.l.	lb.	.06½-	—
white, lily, dms., c.l.	lb.	.05¾-	—
l.c.l.	lb.	.07¼-	—
snow, dms., c.l.	lb.	.06½-	—
l.c.l.	lb.	.08 -	—
soft, dms., c.l.	lb.	.05¾-	—
l.c.l.	lb.	.06¾-	—
yellow, soft, dms., c.l.	lb.	.03½-	—
l.c.l.	lb.	.04½-	—
Petroleum, crude, bulk, at wells, California, heavy grades,	bbl.	1.03 -	1.53
Illinois	bbl.	1.47 -	—
Kentucky, Union County,	bbl.	1.42 -	1.47
Louisiana-Arkansas	bbl.	.98 -	1.30
Oklahoma-Kansas	bbl.	.95 -	1.35
Pennsylvania, lower field,	bbl.	2.98 -	3.10
Upper field	bbl.	1.41 -	2.75
Texas, East	bbl.	1.35 -	—
Gulf coast	bbl.	1.16 -	1.58
North, North-Central	bbl.	1.11 -	1.35
Panhandle	bbl.	.90 -	1.32
West	bbl.	.80 -	1.22
Wyoming	bbl.	.95 -	1.35
Ether, laboratory grade, 30°-60° C, 10-gal. cns., divd. E.	gal.	.55 -	—
dms., c.l., Group 3	gal.	.16 -	—
l.c.l., same basis	gal.	.29 -	—
35°-60° C., 10-gal., cns., divd., E.	gal.	.55 -	—
dms., c.l., Group 3	gal.	.16 -	—
l.c.l., same basis	gal.	.29 -	—
40°-75° C, 10-gal., cns., divd., E.	gal.	.55 -	—
dms., c.l., Group 3	gal.	.16 -	—
l.c.l., same basis	gal.	.29 -	—
Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 2	gal.	.04½-	—
No. 3	gal.	.04 -	—
Bayonne, No. 2, tanks	gal.	.057 -	—
California, heavy	bbl.	1.25 -	—
light	bbl.	1.30 -	—
diesel	gal.	.04¾-	—
range	gal.	.05¾-	—
Group 3, No. 1	gal.	.04¾-	—
No. 2, straw	gal.	.04¼-	—
No. 3	gal.	.04 -	—
range	gal.	.04½-	—
Kansas, No. 6	bbl.	1.23 -	—
Oklahoma, No. 1, p.w.	gal.	.04¾-	—
No. 1, straw	gal.	.04¼-	—
No. 2, straw	gal.	.04½-	—
No. 3	gal.	.04 -	—
No. 6	bbl.	1.13 -	—
range	gal.	.04½-	—
Pennsylvania, No. 1	gal.	.06675-	.06925
No. 2	gal.	.0625-	.06375
No. 3	gal.	.0625-	.06375
36-40 gravity	gal.	.05¾-	.06⅜
bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92 -	—
Baltimore, Md.	bbl.	1.72 -	—
Boston, Mass.	bbl.	1.765 -	—
Charleston, S. C.	bbl.	1.63 -	—
Fall River, Mass.	bbl.	1.735 -	—
Jacksonville, Fla.	bbl.	1.63 -	—
New Haven, Conn.	bbl.	1.735 -	—
New York, N. Y.	bbl.	1.72 -	—
Norfolk, Va.	bbl.	1.65 -	—
Philadelphia, Pa.	bbl.	1.72 -	—
Portland, Me.	bbl.	1.765 -	—
Portsmouth, N. H.	bbl.	1.765 -	—
Providence, R. I.	bbl.	1.735 -	—
Savannah, Ga.	bbl.	1.63 -	—
Tiverton, R. I.	bbl.	1.735 -	—
Wilmington, N. C.	bbl.	1.63 -	—
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, divd. Los Angeles	gal.	.11 -	—
Fort Wells, Wash.	gal.	.12 -	—
East Coast, N. J., N. Y., tanks, refinery	gal.	.11½-	—
Group 3, benzol type, tanks,	gal.	.07¾-	—
toluol type, tanks	gal.	.07¾-	—
San Francisco	gal.	.11¼-	—
Willbridge, Ore.	gal.	.12 -	—
Mineral spirits, California, San Francisco, 168-252 b.r., tanks	gal.	10¼-	—
196-290 b.r., tanks	gal.	.10¼-	—
246-397 b.r., tanks	gal.	.10¼-	—
312-408 b.r., tanks	gal.	.09 -	—
362-458 b.r., tanks	gal.	.09 -	—
east coast, N. J., N. Y., tanks, refinery	gal.	.10 -	—
Group 3, tanks, refinery	gal.	.06¼-	.06⅛
Gulf coast, tanks	gal.	.06¼-	—
tankwagons, Baltimore	gal.	.1210-	—
Boston	gal.	.13 -	—
Bridgeport, Conn.	gal.	.1430-	—
Buffalo	gal.	.1240-	—
Camden, N. J.	gal.	.11 -	—
Chicago	gal.	.1150-	—
Detroit	gal.	.1350-	—
Hartford	gal.	.1430-	—
Kansas City, Mo.	gal.	.1280-	—
Lancaster, Pa.	gal.	.12 -	—
Milwaukee	gal.	.1240-	—
Minneapolis	gal.	.1220-	—
Newark	gal.	.11 -	—
New York	gal.	.11 -	—
Philadelphia	gal.	.11 -	—
Pittsburgh	gal.	.125 -	—
Providence	gal.	.13 -	—
Rochester	gal.	.1320-	—
St. Louis	gal.	.1370-	—
Syracuse	gal.	.14 -	—
Washington, D. C.	gal.	.135 -	—
Wilmington, Del.	gal.	.11 -	—
Naphtha, cleaners, California, tanks, San Francisco	gal.	.12 -	—
East coast, N. J., N. Y., tanks, refinery	gal.	.11 -	—
Group 3, tanks, refinery	gal.	.07¾-	.07½
tankwagon, Newark	gal.	.12 -	—
Bridgeport	gal.	.1730-	—
Chicago	gal.	.1380-	—
Detroit	gal.	.15 -	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
New York	gal.	.12 -	—
Philadelphia	gal.	.125 -	—
St. Louis	gal.	.1470-	—
high-solveney, No. 8, tanks, frt. alld. Kansas City E.	gal.	.225 -	—
No. 30, tanks, same basis	gal.	.220 -	—
No. 40, tanks, same basis	gal.	.220 -	—
No. A-80, tanks, Carteret, N. J.	gal.	.21½-	—
Chicago, Cincinnati, Detroit	gal.	.23 -	—
No. B-90, tanks, all shipping points	gal.	.24½-	—
No. F-90, tanks, Carteret, N. J.	gal.	.23 -	—
V.M.&P., at refinery, California, 46.5, 254 l.b.p., 380 e.p., tanks, El Segundo	gal.	.41 -	—
Richmond	gal.	.11¼-	—
Petroleum naphtha, at refinery, Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 -	—
54-77, 190 l.b.p., 310 e.p., Los Angeles	gal.	.10 -	—
San Francisco	gal.	.10¼-	—
Portland, Seattle	gal.	.11 -	—
Group 3, tanks	lb.	.07¼-	.07½
Gulf Coast (divd. New Orleans), tanks	gal.	.06¼-	—
tankwagon, Boston	gal.	.13 -	—
Chicago	gal.	.1380-	—
Detroit	gal.	.15 -	—
Milwaukee	gal.	.1540-	—
Minneapolis	gal.	.1520-	—
Newark	gal.	.125 -	—
New York	gal.	.12 -	—
Philadelphia	gal.	.125 -	—
Pittsburgh	gal.	.12½-	—
St. Louis	gal.	1470-	—
Solvent, rubber, at refinery, California, San Francisco	gal.	.35¼-	—
East Coast, N. J., N. Y., tanks	gal.	.11 -	—
Group 3, tanks	gal.	.07¼-	.07½
Stoddard (CS 8-33), at refinery:—			
California (San Francisco), tanks	gal.	.11 -	—
East Coast, N. J., N. Y., tanks	gal.	.10 -	—
Group 3, tanks	gal.	.06¾-	—
Pennsylvania, western, tanks	gal.	.07¼-	.07½
tankwagon, Baltimore	gal.	.13 -	—
Boston	gal.	.12 -	—
Chicago	gal.	.13½-	—
Detroit	gal.	.1580-	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
Newark	gal.	.11 -	—
New York	gal.	.11 -	—
Philadelphia	gal.	.11 -	—
Pittsburgh	gal.	.12½-	—
St. Louis	gal.	.1370-	—
Syracuse	gal.	.14 -	—
Toluol, tanks, divd. E.	gal.	.27 -	—
Xylol, tanks, divd. E.	gal.	.28 -	—
Sulphonates, 68% sulphonic content, ret. dms., c.l., works	lb.	.09¾-	—
l.c.l., works	lb.	.09¾-	.10¾
tanks, works	lb.	.09¼-	—
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾-	—
l.c.l., works	lb.	.09¾-	.10¾
tanks, works	lb.	.06½-	—
Phenobarbital, cns.	lb.	3.60 -	3.70
dms., 100 lbs.	lb.	3.50 -	—
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.	lb.	.10 -	—
l.c.l., same basis	lb.	.10¾-	—
tanks, same basis	lb.	.09 -	—
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾-	.10¼
l.c.l., same basis	lb.	.10½-	—
tanks, same basis	lb.	.08¾-	.09¼
USP, dms., c.l., same basis	lb.	.10½-	—
l.c.l., same basis	lb.	.11¼-	—
tanks, same basis	lb.	.09½-	—
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 -	—
smaller lots	lb.	.87 -	.92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 -	—
smaller lots	lb.	.82 -	.87
Phenothiazin, NF, fib. dms., ton lots or more, works	lb.	.49 -	—
smaller lots, works	lb.	.54 -	—
smaller lots	lb.	.54 -	—
Phenylacetaldehyde, solution, 50%, bots.	lb.	2.45 -	2.50
100%, bots.	lb.	4.00 -	5.00
Phenylethyl acetate, dms.	lb.	2.15 -	2.70
Phenylethylphenyl acetate, bots.,	lb.	5.85 -	7.50
Phenylhydrazin, base, CP, bots.	lb.	4.55 -	—
Hydrochloride, CP, bots., works.	lb.	7.10 -	—
commercial, kgs., works	lb.	1.75 -	—
Phloroglucinol, CP, fib. dms.	lb.	13.75 -	14.75
tech., fib. dms.	lb.	12.00 -	12.55
Phosgene, ton lots, works	lb.	.19 -	—
Phosphate, defluorinated (see under D).			
Phosphate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.	long ton.	2.20 -	—
70%-68%, same basis	long ton.	2.60 -	—
72%-70%, b.p.l., same basis	long ton.	8.20 -	—
75%-74%, b.p.l., same basis	long ton.	4.20 -	—
77%-76%, b.p.l., same basis	long ton.	5.20 -	—
entirely pebble, 50c. per ton higher than above prices.			
finely ground, 66.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 -	—
68%, basis 31% P_2O_5 minimum	short ton.	3.35 -	—
70%, basis 32% P_2O_5 minimum	short ton.	3.70 -	—
70-68% b.p.l., 5% l. & a., same basis	long ton.	5.30 -	—
72%-70%, b.p.l., 5½% l. & a., same basis	long ton.	5.80 -	—
refinery, ground, 29% P_2O_5, same basis	long ton.	4.95 -	—
30% P_2O_5, same basis	long ton.	5.15 -	—
31% P_2O_5, same basis	short ton.	5.25 -	—
32% P_2O_5, same basis	short ton.	5.60 -	—
33% P_2O_5, same basis	short ton.	6.00 -	—
Phosphorus, red, amorphous, cs.	lb.	.40 -	.44
tins, export	lb.	.55 -	—
yellow, cns.	lb.	.23 -	.25
dms., c.l.	lb.	.14½-	—
Oxychloride, dms., c.l.	lb.	.10½-	—
l.c.l., dms.	lb.	.12½-	.15
Pentoxide, dms., c.l., works	lb.	.11 -	.12
l.c.l., works	lb.	.13 -	.14
Sesquisulphide, cs.	lb.	.38 -	.42
Trichloride, dms., c.l.	lb.	.10½-	—
l.c.l.	lb.	.12½-	.15
Phthalamide, bbls., works	lb.	.35 -	.40
kgs., works	lb.	.45 -	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13 -	—
l.c.l., same basis	lb.	.14 -	—
Pichi leaves, bgs.	lb.	.07 -	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	6.00 -	—
Pilocarpine hydrochloride, USP, bots., vis.	oz.	3.75 -	5.10
Nitrate, bots., vis.	oz.	3.65 -	5.00
Pimento, Jamaica, bgs.	lb.	.26 -	.26½
Pinetar, retort, dms., incl., c.l., works	gal.	.31 -	—
l.c.l., works, dms. incl.	gal.	.32 -	—
tanks, divd. E.	gal.	.27 -	—
Pinkroot, bls.	lb.	1.10 -	1.15
Piperazine hexahydate, bots., lb.	lb.	16.00 -	—
Pitch, burgundy (see B),			
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00 -	—
l.c.l., works	ton.	22.00 -	—
Cottonseed, dms., works	lb.	.04 -	.06
Pitch, hardwood, paper bgs., works	lb.	.03½-	—
Linseed, dms.	lb.	.05 -	.05½
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, dms.	100 lbs.	6.50 -	—
stands, 200 lbs.	stand.	6.00 -	—
Soybean, dms., works	lb.	.04 -	.06
Plaster of paris (see Gypsum).			
Podophyllin, dms.	lb.	10.50 -	10.70
Pokeroot, bls.	lb.	.19 -	.20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 -	—
20,000 lbs., frt. alld.	lb.	.33 -	—
smaller lots, frt. alld.	lb.	.34 -	.36
Water-clear, polystyrene, 7c. per lb. less than plain colors.			
Pomegranate, root bark, bgs.	lb.	.75 -	.76
Poppy flowers, bls.	lb.	.60 -	.70
Seed, Argentine, bgs.	lb.	.32½-	.33
Danish, bgs.	lb.	.34½-	.35
Dutch	lb.	.35 -	.35½
Indian, white, bgs.	lb.	No stocks	
Swedish, bgs.	lb.	.31 -	.31½
Turkish, bgs.	lb.	.32 -	.32½
Potash abietate	lb.	.09 -	—
Acetate, USP, dms.	lb.	.28 -	—
Arsenite, USP, solut., cbys., djns.	lb.	.13 -	.15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.10 -	.21
Bichromate,[1] bgs., c.l. works	lb.	.10 -	—
l.c.l., works	lb.	.10¼-	.10¾
Potash bichromate in bbls. ¼c. higher.			
Borate, gran., bbls., N. Y. or Chi.	lb.	.1015-	—
Bromide, USP, gran., 300-lb. bbls., dms.	lb.	.25 -	—
100-lb. kgs.	lb.	.26 -	—
Carbonate, calcined, bbls., c.l., works.	lb.	.06½-	—
l.c.l., same basis	lb.	.06¾-	—
hydrated, 83-85%, bbls., c.l., works.	lb.	.06½-	—
dms., l.c.l., same basis	lb.	.05¾-	—
USP, gran., bbls., dms.	lb.	.14 -	.20
powd. bots., dms.	lb.	.19 -	.21
Caustic, low-chloride, 50% basic, flake, dms., c.l., works	100 lbs.	9.31 -	—
l.c.l., works	100 lbs.	9.68½-	—
liquid, dms., c.l., works	100 lbs.	8.56 -	—
l.c.l., works	100 lbs.	8.68½-	—
tanks, works	100 lbs.	8.06 -	—
solid	100 lbs.	8.56 -	—
l.c.l., works	100 lbs.	8.93½-	—
regular, flake, 88-92%, dms., liquid, 45% basis, dms., c.l., c.l., works	lb.	.07 -	—
l.c.l., works	lb.	.07¼-	.07½
works, frt. alld.	lb.	.03½-	—
l.c.l., same basis	lb.	.03¾-	.06½
tanks, same basis	lb.	.02¾-	—
solid, 88-92%, dms., c.l., works	lb.	.06¼-	—
l.c.l.	lb.	.06½-	.06¾
Chromate, bgs.	lb.	.24 -	.26
Chlorate,[1] cryst., kgs., c.l., works	lb.	.11 -	.11¾
l.c.l., works	lb	.119 -	.13
powd., dms., kgs., c.l., works.	lb.	.09¾-	—
l.c.l., works	lb.	.119 -	.13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 -	.18
Chloride, tech., cryst., 96%, bgs., kgs.	lb.	.06	Nom.
Citrate, USP, gran., bbls., dms.	lb.	33½-	.38½
powd., 3c. per lb. higher.			
Cyanide, dms., works	lb.	.55 -	—
Fluoride, bbls.	lb.	.34 -	.40
Glycerophosphate, 75% solution, cns., cbys.	lb.	1.65 -	1.67
dms., 1,000-lb. lots	lb.	1.50 -	—
100-lb. lots	lb.	1.60 -	—
Guaiacolsulphonate, NF, dms.	lb.	1.65 -	1.75
Hydroxide, USP, sticks, dms.	lb.	.34 -	.36
Hypophosphite, cns.	lb.	.72 -	.75
Iodate, bots., 5 lbs.	lb.	3.40 -	—
cns., 25 lbs.	lb.	3.35 -	—
Iodide, bots., cns.	lb.	1.44 -	1.48
dms.	lb.	1.35 -	1.38
Manure salt, 22% K_2O, Carlsbad, N. M.	unit-ton.	.20 -	—
26% K_2O, same basis	unit-ton.	.21 -	—
Metabisulphite, gran., bbls.	lb.	.19 -	.21
powd., bbls.	lb.	.25 -	—
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports	unit-ton.	.63½-	—
granular, 50 - 52% K_2O	unit-ton.	.53½-	—

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).			
Oxalate, neutral pure, gran., bbls., dms.	lb.	.37 -	.50
tech. fine gran., bbls., dms.	lb.	.28 -	.31
Perchlorate, kgs., works	lb.	.09¾-	.11
Permanganate, tech., dms., works	lb.	.19¾-	.20¼
USP, dms., works	lb.	.20½-	.21
Persulphate, dms., c.l., works,	lb.	.16 -	—
l.c.l., same basis	lb.	.20 -	—
Prussiate, red, kgs.	lb.	.50 -	.58
Yellow, bbls.	lb.	.16 -	.17
Ricinoleate, tech., bbls.	lb.	.18 -	—
Silicate, glass, bgs., c.l., works	ton.	200.00 -	—
l.c.l.	100 lbs.	15.25 -	—
solution, 29° Be, ret. drums, c.l., works	100 lbs.	4.25 -	—
l.c.l., 5 or more, works	100 lbs.	5.00 -	—
1-4, works	100 lbs.	5.50 -	—
32° Be, ret. dms., c.l., works	100 lbs.	4.75 -	—
l.c.l., 5 or more, works	100 lbs.	5.50 -	—
1-4, works	100 lbs.	6.00 -	—
40.6° Be, ret. dms., c.l., works	100 lbs.	5.75 -	—
l.c.l., 5 or more, works	100 lbs.	6.50 -	—
1-4, works	100 lbs.	7.00 -	—
Sulphate, NF, gran.	lb.	.14 -	.20
powd., bbls.	lb.	.15 -	.21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports	ton.	36.25 -	—
Sulphocyanide, cryst., N.F., dms.	lb.	.62 -	.70
Triocyanate (see Potash sulphocyanide)			
Xanthate, dms., c.l.	lb.	.12 -	—
Potash-gold cyanide, 41% gold, bots., works	oz.	14.20 -	14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports	ton.	26.00 -	—
Potash-soda ferricyanide, kgs., works	lb.	.40 -	.43
Potash-titanium oxalate, bbls., dms.	lb.	.45 -	.50
Prickly ash bark, bls.	lb.	.40 -	.45
Berries, bgs.	lb.	.20 -	.21
Prince's pine herb, bls.	lb.	.80 -	.85
Procaine hydrochloride, cns., 100-lb. lots	lb.	4.00 -	—
smaller lots	lb.	4.25 -	4.75
Propane,[1] industrial grade, tanks, Group 3	gal.	.03¾-	—
Propyleneglycol, dms., c.l., frt. alld. in E.	lb.	.15½-	—
l.c.l., same basis	lb.	.16½-	—
tanks, same basis	lb.	.14½-	—
Psyllium seed (see Fleaseed).			
Pulsatilla, bls.	lb.	.60 -	.65
Pumice,[1] grd., fine, bgs., ton lots.	lb.	.03¾-	—
smaller lots	lb.	.03¾-	.04
coarse, 0¼, 1, 1½, 2, 3, bgs., ton lots	lb.	.03¾-	—
smaller lots	lb.	.03¾-	.04¼
Chi., ton lots	lb.	.04½-	—
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs.	lb.	.27 -	.28
Purple lake (see Red).			
Putty, com'l, dms.	100 lbs.	3.15 -	—
linseed oil, raw, dms.	100 lbs.	5.00 -	—
refined, dms.	100 lbs.	5.50 -	—
standard, dms.	100 lbs.	4.20 -	—
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works	lb.	9.25 -	9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works	gal.	6.65 -	—
odorless base, dms., works	gal.	6.75 -	—
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works	gal.	10.00 -	—
Flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.33¾-	—
powder, 0.5% pyrethins, bbls., works	lb.	.25 -	—
Pyridin, denaturing, ret. dms., works, frt. equald.	gal.	1.55 -	1.60
refd., 2°, ret. dms., same basis	lb.	.45 -	.45½
Pyrites, Spanish, c.i.f. Atl. ports	ton.	8.00 -	10.00
Pyrocatechin (see Catechol).			
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines	ton.	10.00 -	11.50
325 mesh, same basis	ton.	13.00 -	13.00
No. 3, 200 mesh, c.l., mines	ton.	9.50 -	—
325 mesh, same basis	ton.	11.50 -	—
Pyrophylite in paper bgs., $1.50 per ton extra.			
Pyroxylin, scrap, opaque, amber, cs., works	lb.	.17 -	—
black, cs., works	lb.	.17 -	—
gray, cs., works	lb.	.17 -	—
mixed, mottled, cs., wks.	lb.	.14 -	—
white, China, ivory, cs., works	lb.	.17 -	—
dense, cs., works	lb.	.17 -	—
translucent, pastels, cs., works	lb.	.17 -	—
transparent, cs., works	lb.	.19 -	—
colors, cs., works	lb.	.17 -	—
shavings, amber, cs., works	lb.	.17 -	—
mixed colors, cs., works	lb.	.14 -	—
white, cs., works	lb.	.17 -	—

Q

Quassia chips, bls.	lb.	.08 -	.09
Quebracho extract,[1] solid, 63% tannin, bgs., c.l., ex dock, in bond	lb.	.063125-	.06525
clarified, 64% tannin, bgs., c.l., same basis	lb.	.068125-	.070625
dissolved, 35% tannin, bbls., works	lb.	.04575-	.0595
tanks, works	lb.	.04075-	—
ground, 70% tannin, bgs., c.l.	lb.	.089 -	—
l.c.l.	lb.	.0915-	—

Quebracho extract prices based on $12 freight and $1 insurance per long ton.

Queen of the meadow root, bgs.	lb.	.12 -	.15
Quercitron, crystals, bbls.	lb.	.32 -	—
extract, bbls., No. 1	lb.	.18 -	—
solid, bxs.	lb.	.23 -	—
Quicksilver, flasks (76 lbs. net)	flask.	100.00 -	102.00
Quince seed, bgs.	lb.	1.30 -	1.75
Quinidine,[6] NF V, crystal, cns.	oz.	No stocks	
powd., precip., cns.	oz.	No stocks	
Sulphate, USP, cns.	oz.	No stocks	
Quinine,[6] NF, cns., 100 ozs.	oz.	No stocks	
Acetate, cns., 100 ozs.	oz.	No stocks	
Arsenate, cns., 100 ozs.	oz.	No stocks	
Asenite, cns., 100 ozs.	oz.	No stocks	
Bisulphate, USP, cns., 100 ozs.	oz.	No stocks	
Dihydrobromide, bots., 50 ozs.	oz.	No stocks	
Citrate, cns., 100 ozs.	oz.	No stocks	
Ethylcarbonate, USP, cns., 100 ozs.	oz.	No stocks	
Ferrocyanide, cns., 100 ozs.	oz.	No stocks	
Formate, cns., 100 ozs.	oz.	No stocks	
Glycerophosphate, cns., 100 ozs.	oz.	No stocks	
Hydrochloride, USP, cns., 100 ozs.	oz.	.89½-	—
Hydrochlorosulphate, cns., 100 ozs.	oz.	No stocks	
Hydroiodide, cns., 100 ozs.	oz.	No stocks	
Hypophosphite, cns., 100 ozs.	oz.	No stocks	
Phosphate, NF, cns., 100 ozs.	oz.	No stocks	
Salicylate, NF, cns., 100 ozs.,	oz.	No stocks	
Sulphate, USP, cns., 100 ozs.	oz.	80¾-	—
Sulphocarbolate, cns., 100 ozs.	oz.	No stocks	
Tannate, USP X, cns., 100 ozs.	oz.	No stocks	
Tartrate, cns., 100 ozs.	oz.	No stocks	
Valerate, NF IV, 100 ozs.	oz.	No stocks	
Quinine-urea hydrochloride,[6] USP.	cns.	No stocks	
Quinoline, dms., c.l., works	lb.	.24½-	.50

R

R salt, dry, bbls.	lb.	.65 -	—
paste, dms.	lb.	.52 -	—
Raspberries, dried, bls.	lb.	1.75 -	1.80
Red, alizarin lake, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.10 -	1.90

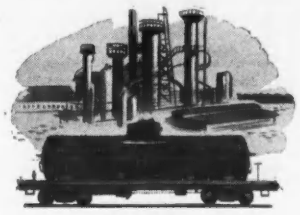
Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher divd. Pacific Coast prices equaled with Chicago divd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies	lb.	1.00 -	—
light shade, bbls., same basis	lb.	.85 -	—
medium shades, bbls., same basis	lb.	.30 -	—

Red cadmium lithopone, all shades, in smaller pgks., 5c. per lb. higher.

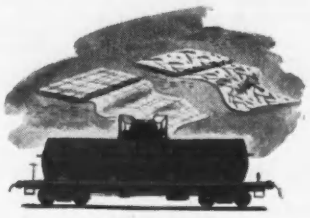
Selenide, dark, bbls., works,	lb.	2.50 -	—
light, same basis	lb.	2.20 -	—

Orange (see Orange).



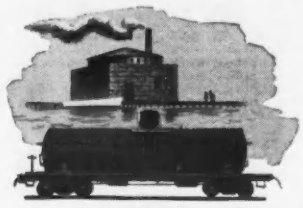
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



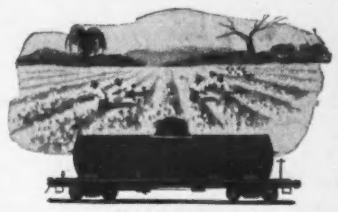
CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.

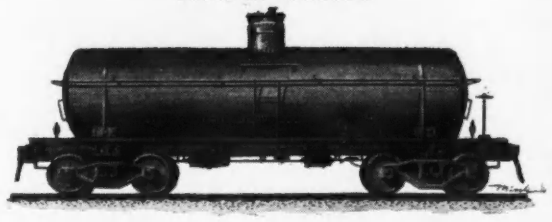


COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.

FOR RENT

TANK CARS



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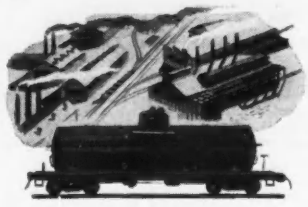
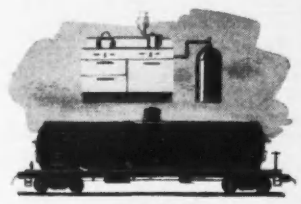


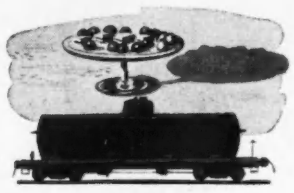
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



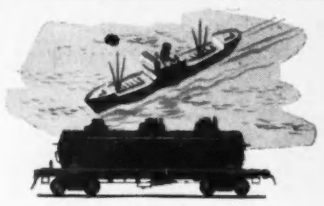
PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.



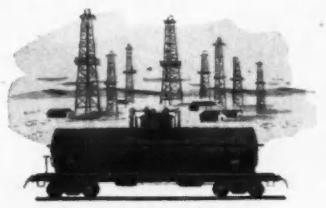
GLUCOSE

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.



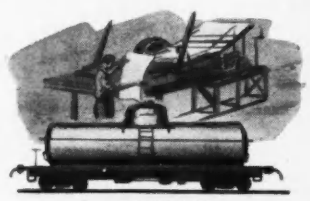
LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.



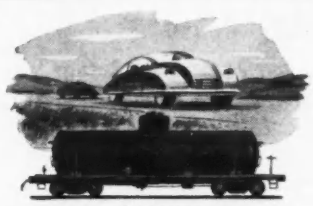
MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.



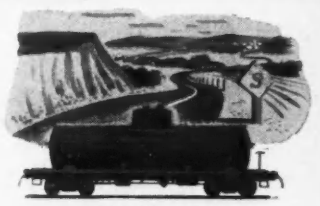
ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.

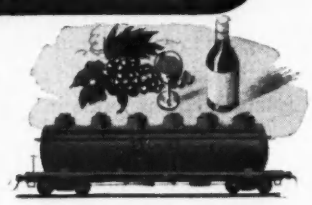


ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.

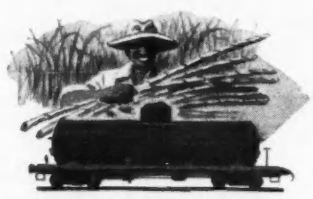
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



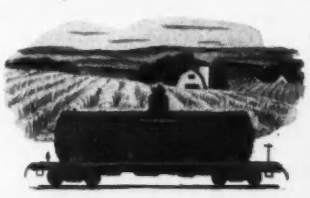
WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

Red, carmine, No. 40, dms., 100-lb. lots, works....lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .09¾- —
Imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .083 - .094
Lacquer, maroon, bbls., wks. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kga., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .92 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Red, phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms. frt. alld..lb. 1.00 - —
Rhatany root, bgs.....lb. .13 - .14
Rhubarb, whole, cs.....lb. .70 - .71
powd., bbls.....lb. .80 - .81
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. .35½- —
smaller lots.....lb. .39 - .42
Rose flowers, pale, bls.....lb. .44 - .45
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .08¼- .09
Spanish, bls.....lb. .13 - .13½
Rosin, gum,[1]—
B, dms., c.l.....100 lbs. 6.67 - 6.70½
D, dms., c.l.....100 lbs. 6.74 - 6.77½
E, dms., c.l.....100 lbs. 7.27 - 7.30½
F, dms., c.l.....100 lbs. 7.37 - 7.40½
G, dms., c.l.....100 lbs. 7.41 - 7.44½
H, dms., c.l.....100 lbs. 7.43 - 7.46½
I, dms., c.l.....100 lbs. 7.43 - 7.46½
K, dms., c.l.....100 lbs. 7.47 - 7.50½
M, dms., c.l.....100 lbs. 7.49 - 7.52½
N, dms., c.l.....100 lbs. 7.63 - 7.65½
W.G., dms., c.l.....100 lbs. 7.99 - 7.93½
W.W., dms., c.l.....100 lbs. 8.17 - 8.20½
X, dms., c.l.....100 lbs. 8.17 - 8.20½
Wood,[1] B (rosin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works.. 100 lbs. 5.40 - —
Rotenone,[1] bbls., works.....lb.10.90 -12.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .50

S

Sabadilla seed, powd., bbls....lb. .59 - .65
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.55 - 1.60
Spanish, NF, tins.....lb.42.00 -43.00
not NF, tins.....lb.38.75 -39.00
Safrol, cns.....lb. .90 - .92
Safrol, cns.....lb. 1.10 - 1.15
Pacific coast..lb. .82 - .83
Sage, Cyprus, good, bls.....lb. .22 - .22½
fair, bls., futures.....lb. .18½- .19
Dalmatian, bls., futures.....lb. .35 - .39
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .14½- .15
Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs.....lb. No stocks
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .96
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l.....ton.19.00 -23.25
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls. 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00-185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, com., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .32 - .33
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .65 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .23 - .23½
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns....lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.50 - 2.60
Senna, Alex., half-leaf, bls....lb. .20 - .21
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .18 - .19
2, bls.....lb. .16 - .17
3, bls.....lb. .15 - .16
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .13 - .14
Serpentaria root, bls.....lb. 2.25 Nom.
Shellac,[1] bleached, bonedry, bbls., 1,000-lb lots..lb. .42½- —
Boston.....lb. .43½- —
Chicago.....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bois., 1,500-lb. lot. lb. .48½- —
Boston.....lb. .49½- —
Chicago.....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
D. C., V.S.O., Diamond I, 100 bgs..lb. .4660- —
Garnet, 100 bgs. lb. .3890- —
Shellac, superfine, 100 bgs., Boston, N. Y..lb. .3660- —
Chicago.....lb. .3710- —
Pacific coast.....lb. .3960- —
TN, 100 bgs., Boston, N. Y.lb. .3550- —
Chicago.....lb. .3600- —
Pacific coast.....lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works.. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.60 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works. ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .19¼- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41¼- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47¾- —
smaller lots.....oz. .47¼- .47¾
Neucleinate, USP, bots., dms.. oz. .38 - .41
Proteinate, USP, bots., dms..oz. .288 - .338
Simarubra bark, bls.....lb. .87 - .88
Skullcap, Eastern, bls.....lb. .60 - .87
Western, bls.....lb. .80 - .88
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .05 - .06
Blue, cns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .29 - .30
crushed, bls., bbls.....lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls.....lb. No stocks
powd., bbls.....lb. .32 - .33
Soda acetate, anhyd., dms., dlvd. lb. .08¼- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05¼- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 -
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16¼
Arsenate, dms., dealers, c.l., works..lb. .09¼- —
l.c.l., works.....lb. .10¾- .11¼
Arsenite, gray, dms., dealers, c.l., works..lb. .06¼- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

it's made

dry

to work wonders

Sodium Methylate

APPEARANCE
A fine, white, very hygroscopic powder.

PURITY
Contains a minimum of 95% sodium methylate, CH_3ON_a, not over 2% of inorganic alkalies (sodium hydroxide and sodium carbonate) and not over 3% of methanol.

STABILITY
Stable when stored in airtight containers.

MELTING POINT
None, decomposes and chars.

APPARENT DENSITY
About 0.4.

SOLUBILITY
Dissolves in approx. twice its weight of methanol.

Mathieson brings you *dry* Sodium Methylate, the useful reagent that speeds the production of life-saving sulfa drugs, folic acid, vitamins, dyes and pigments, perfumes and many other important products.

Formerly the consumer had to prepare this reagent in solution form in his own plant by combining metallic sodium and methanol—a slow and hazardous operation. The resultant dilute methylate solution did not allow the close control necessary for efficient operation and high yields in organic syntheses.

Now you can buy *dry* sodium methylate to supply your entire requirements . . . or you can employ this reagent to build up the concentration of the dilute methylate solutions made in your own plant.

Write our technical staff about this versatile reagent and the part it can play in *your* operational picture. The Mathieson Alkali Works (Inc.), 60 East 42nd Street, New York 17, N. Y.

Sodium Methylate . Soda Ash . Caustic Soda . Bicarbonate of Soda . Liquid Chlorine . Chlorine Dioxide HTH Products . Ammonia, Anhydrous & Aqua . Fused Alkali Products . Dry Ice Synthetic Salt Cake Carbonic Gas . Sodium Chlorite Products

Mathieson
CHEMICALS

Soda ash, dense, 58%, bgs., c.l., works	100 lbs.	1.15	—
l.c.l., divd., zone 1	100 lbs.	2.13	—
2	100 lbs.	2.23	—
3	100 lbs.	2.53	—
4	100 lbs.	2.98	—
bbls., c.l., wrks, Zone 1	100 lbs.	1.35	—
l.c.l., Zone 1	100 lbs.	1.35	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—
bulk, c.l., works	100 lbs.	.95	—
extra light, 58%, bgs., c.l.	100 lbs.	1.13	—
l.c.l., divd., zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.98	—
bbls., c.l., works	100 lbs.	1.45	—
l.c.l., divd., zone 1	100 lbs.	2.45	—
2	100 lbs.	2.60	—
3	100 lbs.	2.85	—
4	100 lbs.	3.25	—
bulk, c.l.	100 lbs.	.90	—
light, 58%, bgs., c.l., works	100 lbs.	1.05	- 1.18
l.c.l., divd., zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.98	—
bbls., c.l., works	100 lbs.	1.86	—
l.c.l., divd., zone 1	100 lbs.	2.85	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—
bulk, c.l.	100 lbs.	.90	—

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Gtn.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more	lb.	.39	—
smaller lots	lb.	.40	- .41
USP, dms., 2 tons or more	lb.	.46	—
smaller lots	lb.	.47	- .53
Bicarbonate, tech., bgs., c.l., works	100 lbs.	1.55	—
l.c.l., works	100 lbs.	1.90	—
USP, gran., bgs., c.l., works	100 lbs.	2.10	—
l.c.l.	100 lbs.	2.45	—
Bichromate,[1] bgs., c.l., works	lb.	.07¼-	—
l.c.l., works	lb.	.07¼-	.08¼

Soda bichromate, in bbls., ¼c. higher.

Bifluoride, bbls., c.l., frt. alld. E.	lb.	11½-	—
l.c.l., same basis	lb.	.12 -	.14
kgs., same basis	lb.	.12½-	.14
Bisulphite, powd., bbls., c.l., works	100 lbs.	2.00	- 2.10
l.c.l., works	100 lbs.	2.50	- 2.60
solut., 32°, bbls., c.l., works	100 lbs.	1.30	—
l.c.l., works	100 lbs.	1.55	—
30° bbls., c.l., works	100 lbs.	1.35	—
l.c.l., works	100 lbs.	1.60	—
35°, bbls., c.l., works	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.65	—
40°, bbls., c.l., works	100 lbs.	1.55	—
l.c.l., works	100 lbs.	1.80	—
Bromide, USP, gran., bbls., 500 lbs., works	lb.	25	—
fiber dms., 100 lbs., works, lb.		.26	—
Cacodylate, bots., dms.	lb.	8.50	-10.50

Carbonate (see Soda ash, Soda monohydrate Soda sal).

Caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	2.70	—
l.c.l., Zone 1, divd	100 lbs.	3.55	—
2, divd	100 lbs.	3.70	- 3.85
3, divd	100 lbs.	3.95	- 3.50
4, divd	100 lbs.	4.35	- 3.70
liquid, 47-49%, buyer's tanks, works	100 lbs.	1.92½-	—
seller's tanks, works, 100 lbs.		1.95	- —
70%, buyer's tanks, works, 100 lbs.		1.97½-	—
seller's tanks, works, 100 lbs.		2.00	- —
solid, 76%, dms., c.l., works, 100 lbs.		2.30	- —
l.c.l., zone 1, divd	100 lbs.	3.15	- —
2, divd	100 lbs.	3.30	- —
3, divd	100 lbs.	3.55	- —
4, divd	100 lbs.	3.95	- —

Caustic soda zones are same as soda ash.

Chlorate, cryst., bgs., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
powd., kgs., c.l., works	lb.	.06½-	—
l.c.l., works	lb.	.07 -	.08¼

Chloride (see Salt).

Chromate,[1] bbls., cks., c.l., works, frt. equald.	lb.	.09¼-	—
l.c.l., works, frt. equal.	lb.	.09½-	.09¾

Soda chromate in bgs. is ½c. less.

Citrate, USP VIII, bbls.	lb.	.18½-	—
dms.	lb.	.19½-	.23½
USP XII, gran., bbls.	lb.	.24 -	—
dms.	lb.	.25 -	.29
powd., bbls.	lb.	.24½-	—
dms.	lb.	.25½-	.29¾
Cyanide, 96-98%, dms.	lb.	.14½-	.15
Diacetate, 33-35% acidity, bbls., divd.	lb.	.09½-	.10½
anhydrous, dms., divd.	lb.	.12½-	—
Fluoride, white, 90%, bbls., c.l., works	lb.	.07 -	—
l.c.l., works	lb.	.08 -	—
95%, bbls., c.l., works	lb.	.07¼-	—
l.c.l., works	lb.	.08¼-	—

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works	lb.	.0655-	—
l.c.l., works	lb.	.068 -	—
Glutamate, monobasic, kgs.	lb.	1.04	- 1.06
Glycerophosphate, NF, crys., bbls.	100 lbs.	1.25	- —
dms.	lb.	1.40	- —

powder, 5c. higher.

solution, 50%, cbys., cns.	lb.	.82	- .90
Hydrosulphite, dms., c.l., frt. alld.	lb.	.10½-	—
l.c.l., frt. alld.	lb.	.13 -	—
Hydroxide, USP, sticks, dms.	lb.	.24 -	.25

tech. (see Soda caustic).

Hypophosphite, NF, cns.	lb.	.67 -	.70
Hyposulphite, cryst., bgs., c.l., works, frt. equald.	100 lbs.	2.25	- —
l.c.l., same basis	100 lbs.	2.50	- —
Soda hyposulphite, pea, cryst., bgs., c.l., works	100 lbs.	2.60	- —

Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

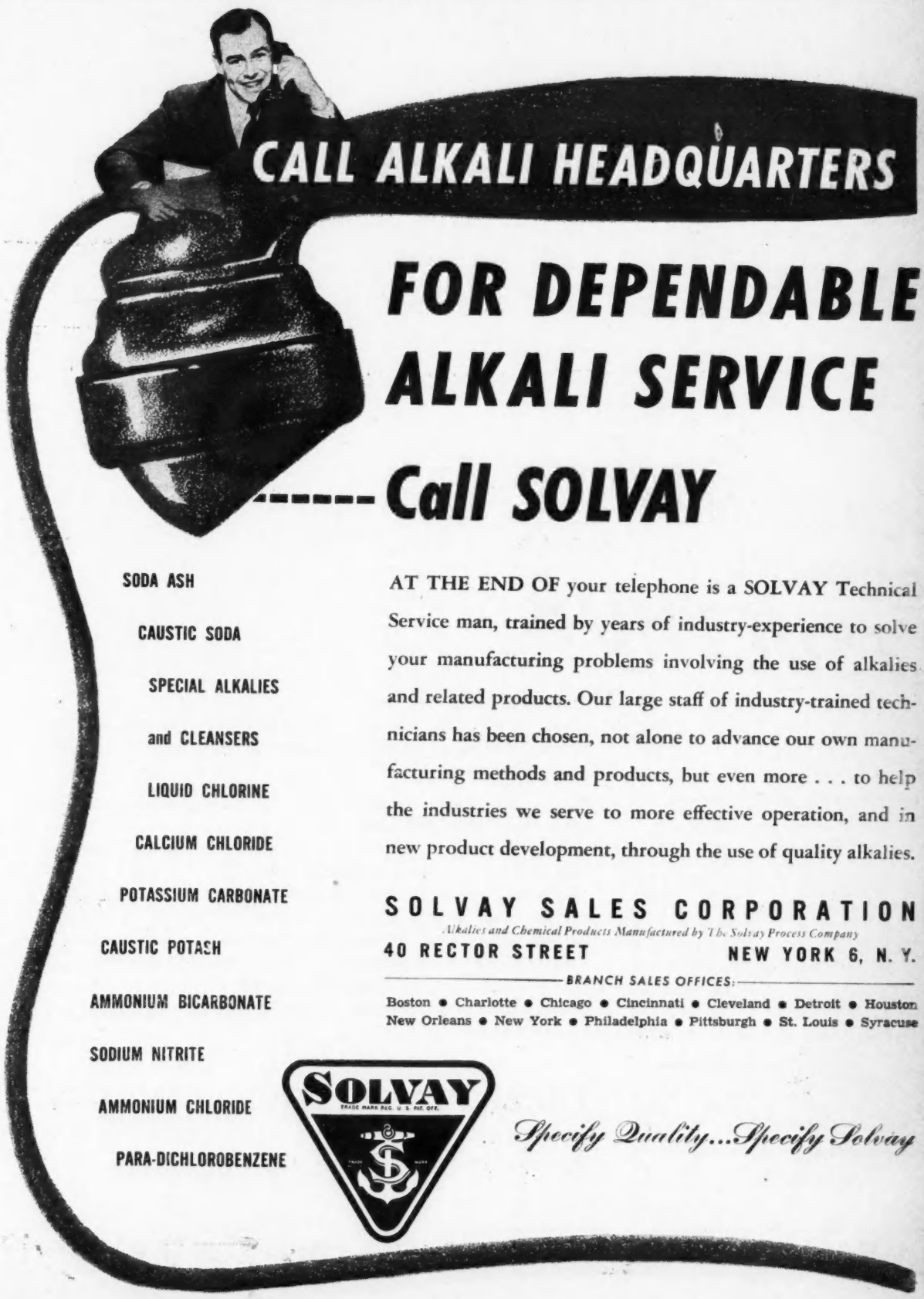
USP, cryst., bbls.	lb.	.10 -	.12
Iodate, dms., jars	lb.	5.40 -	5.45
Iodide, bots.	lb.	2.55 -	2.57
dms., jars	lb.	2.42 -	—
Mandelate, dms.	lb.	3.25 -	3.35
Metaborate, gran., bbls., c.l., divd.	lb.	.0485-	—
l.c.l., N. Y., or Chi.	lb.	.051 -	—
bgs., c.l., divd.	lb.	.0435-	—
l.c.l., N. Y., or Chi.	lb.	.046 -	—
Metanilate, bgs.	lb.	.49 -	—
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00	- —
l.c.l., same basis	100 lbs.	4.90	- 5.20
gran., bbls., c.l., works, frt. equald.	100 lbs.	2.30	- —
l.c.l., divd.	100 lbs.	3.30	- 3.55
Methylate, bots., works.	lb.	1.00	- —
cns., works	lb.	.55	- .60
dms., works	lb.	.45	- .60
Molybdate[1], anhyd., kgs., works.	lb.	.47	- —
Monohydrate, bgs., c.l.	100 lbs.	2.00	- —
works	100 lbs.	2.45	- —
Naphthionate, bbls.	lb.	.50	- —
Nitrate, crude, dms., 100-lb. bulk, c.l., works	ton.	27.00	- —
refd, gran., bbls., 10 tons	100 lbs.	3.00	- —
smaller lots	100 lbs.	3.75	- 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse.	ton.	33.00	- —
200-lb. bgs., same basis.	ton.	32.40	- —
bulk, same basis	ton.	30.00	- —
Soda nitrite, 96-98%, bbls., c.l., works, frt. equald.	lb.	.06¾-	—
west coast ports	100 lbs.	8.00	- 8.60
l.c.l., divd.	100 lbs.	8.80	-11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.50	- —
l.c.l., same basis	100 lbs.	5.45	- 5.90
flake, dms., c.l., works	100 lbs.	3.10	- —
l.c.l., divd.	100 lbs.	4.30	- 4.55
Oxalate, neut., bgs., works.	lb.	.10	- —
Pantothenate, dextrorotary, 100-gram bots.	per gram.	.10	- —
Pentachlorophenate, briquete, bgs., works, frt. equald.	lb.	.17	- .18
powd., bgs., c.l., works, frt. equald.	lb.	.16	- .16½
l.c.l., works, frt. equald.	lb.	.17	- —
kgs., l.c.l., works, frt. equald.	lb.	.19	- —
Perborate, NF, bbls., c.l., wks.	lb.	.14¾-	—
l.c.l., works	lb.	.15½-	—
Peroxide, dms., c.l., divd. E. of Miss.	lb.	.14 -	—
smaller lots	lb.	.17 -	—
Phosphate, dibasic, tech., anhyd., bgs., c.l., works,	100 lbs.	6.00	- 6.20
l.c.l., works	100 lbs.	6.40	- 6.75
cryst., bgs., c.l., works,	100 lbs.	2.55	- 2.70
l.c.l., works	100 lbs.	2.95	- 3.45
USP XII, dried, bbls., dms., works.	lb.	.150	- —
monobasic, anhydrous, bgs., c.l., works.	100 lbs.	7.25	- 8.25
l.c.l., works	100 lbs.	7.65	- 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	6.00	- 6.95
l.c.l., same basis	100 lbs.	6.50	- 7.00
Soda phosphate, tribasic, cryst., bgs., c.l., works	100 lbs.	2.70	- —
l.c.l., same basis	100 lbs.	3.10	- —
kgs., c.l., works	100 lbs.	3.40	- —
l.c.l., works	100 lbs.	3.80	- —

Soda phosphate in bbls. 20c. higher. USP (see Sodium phosphate, dibasic).

Prussiate, yellow, bgs.	lb.	.10¾-	—
bbls.	lb.	.11 -	—
Pyrophosphate, ferric, dms., 10,000 lbs., works.	lb.	.22 -	—
smaller lots, works	lb.	.23¾-	—
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	5.25	- —
l.c.l., same basis	100 lbs.	5.40	- 5.75
Ricinoleate, tech., bbls.	lb.	.12	- —
Sal, bgs.	100 lbs.	1.35	- —
works	100 lbs.	1.10	- —
bbls.	100 lbs.	1.40	- —
works	100 lbs.	1.20	- —
Salicylate, dms.	lb.	.53	- .54
Sesquicarbonate, bgs., c.l., wks.	100 lbs.	1.50	- —
bbls., c.l., works	100 lbs.	1.70	- —
l.c.l., zone 1, divd	100 lbs.	2.70	- —
2, divd	100 lbs.	2.85	- —
3, divd	100 lbs.	3.10	- —
4, divd	100 lbs.	3.50	- —

Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works.	100 lbs.	3.05	- —
l.c.l., divd	100 lbs.	4.30	- 4.45
Silicate, 40°, turbid, dms., c.l., works	100 lbs.	.80	- —
l.c.l., works	100 lbs.	1.05	- 1.20
tanks, works	ton.	13.00	- —
52°, turbid, dms., c.l., works,	100 lbs.	1.40	- —
l.c.l., works	100 lbs.	1.65	- 1.80
tanks, works	ton.	25.00	- —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Soda silicofluoride, bbls., c.l., works..lb. .06½- .07
l.c.l., works..lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works..lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works..100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd..100 lbs. 2.90 - 3.15
solid, bbls., c.l., works..100 lbs. 3.15 - —
l.c.l., dlvd..100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works..100 lbs. 2.35 - —
bbls., c.l., works..100 lbs. 2.30 - —
l.c.l., works..100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works..100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls..lb. .30 - .35
Sulphocyanide, CP, dms..lb. .55 - .65
Sulphohydrate, liquid, 68%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works..lb. .08 - —
liquid, 68%, tanks, 100% basis, works..lb. .06¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works..lb. .06 - —
Sulphoricinoleate, bbls..lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech. kgs..lb. 1.35 - 1.50

Soda-ammonia phosphate, bbls., works, frt. equid..lb. .28 - —
Soda-cinchophen, bots., dms., works..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP dms., works..lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash, dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works.....gal. .22 - —
Sorbitol, com'l, dms., c.l., works. lb. .16¾- —
l.c.l., works..lb. .17¾- —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.59.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works..lb. .20¼- —
smaller lots, works..lb. .20½- .24
Sparteine sulphate, bots., cns..oz. 2.25 - 2.95
Spearmint leaves, bls..lb. .48 - .49
Spikenard root, bls..lb. .48 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works..lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls..lb. .53 - .55

Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls..lb. .10 - .12
powd., bbls., bxs..lb. .16 - .20
St. Ignatius beans, bgs..lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .16 - .16¼
l.c.l. .....lb. .15¾- .16
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .95 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .52 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.40 - 2.45

Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 9.00 - 9.10
fib. dms., works.....lb. 1.05 - 1.25
Sulphanilamide, 30-60 mesh 10c. higher.
Sulphapyridin, powd., bots., tins., works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulpnur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..10% lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - —
Chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .31
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls. .....lb. .40 - —
stainless, bbls. .....lb. .11 - .13½
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.06 per ton guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.

triple, 48% or more, a.p.a., bulk, producing points, Florida. unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —

Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.

Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.00 - 1.35

T

Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09½- —
inedible, extra, loose.....lb. .05¾- —
special, loose.....lb. .06½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 + 7.50
Chicago .....unit-ton. 5.53 + 7.50
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,6] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .26½- .30½
l.c.l., works.....gal. .28½- .32½
25%, dms., c.l., works...gal. .30 - .35½
l.c.l., works.....gal. .32 - .37½
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.87.25 - —
powd., c.l., same basis.... long ton.125.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47½- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —

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Sulphur is a vital ingredient in producing the high-octane gasoline essential in the flight of these man-made birds. Sulphuric acid as an alkylating agent contributes to the production of this necessary fuel. This use is the newest of major roles Sulphur is playing in the petroleum industry. Sulphur in various forms is also a principal chemical tool in refining gasoline, diesel oils and lubricating oils as well as producing cutting oils and extreme pressure lubricants. Freeport Sulphur Company has Sulphur supplies sufficient to meet all anticipated needs. In addition, underground reserves coupled with the most modern mining methods assure an unfailing flow of this vital mineral.

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ACIDS	LUBRICANTS
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EXPLOSIVES	PETROLEUM PRODUCTS
FABRICS	PLASTICS
FERTILIZERS	PROCESSED FOODS
FILM	REFINED METALS
FOOD PRESERVATIVES	REFRIGERANTS
FUMIGANTS	RESINS
FUNGICIDES	RUBBER
GASOLINE	SYNTHETIC RUBBER
GLASS	SOAP
GLUE	SODA
GLYCERIN	SOLVENTS
INSECTICIDES	STEEL
KEROSENE	SUGAR
LEATHER	TEXTILES

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Terpinyl acetate, extra, cns., dms..lb. .80 - .87
prime, cns., dms.....lb. .63 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine, dms., 25-lb. lots.. lb. 3.75 - —
smaller lots.....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms.....lb. .55 - .66
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bgs., futures..lb. 16½- .17
Spanish, bls. .....lb. .14½- .14¾
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[5] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[10] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15¾
nonchalking,[1,4] bgs., c.l., dlvd. E..lb. .16¼- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[1,4] dlvd....lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ¼c higher
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 2.50 - 2.60
Toluene (see Toluol)
Toluidin base, distilled, kgs...lb. .96 - —
Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo. gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.70
Brazilian, Surinam, cs....lb. .90 - .95
Totaquine,[1,8] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .28 - .32
Triamylamine, dms., c.l., works. lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .75 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .22 - .32½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .24 - —
l.c.l., works, basis 100%....lb. .26 - —
tanks, works, basis 100%....lb. .20 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .26 - —
l.c.l., dlvd .....lb. .29 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .21 - —
l.c.l., same basis .....lb. .22 - —
Tripoli,[1] air-floated, bgs., c.l., works..ton.21.80 - —
double-grd., bgs., c.l., works.. ton.17.80 - —
once-grd., bgs. c.l. works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic)
Tuba root (see Cube root)
Tungsten metal, powd., 99-99.7%, dms. works..lb. 3.80 - 5.40
Oxide, kgs. .....lb. No prices
Turmeric root, Alleppey, bls., futures..lb. .18½- .19
Haitian, bls., futures.....lb. 15½- .16
Jamaica, futures bls.....lb. .16½- .16¾
Madras, bgs .....lb. .17½- .17¾
Turpentine, gum, ret. dms., c.l. gal. .93½- —
l.c.l. .....gal. .94½- —
tanks, Savannah .....gal. .83½- —
wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East .....gal. .60 - —
steam-dist. ret. dms., East. gal. .72 - .80
tanks, East .....gal. .74 - .76
Sulphate, ret. ..... gal. .65 .70

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 45%, N., bgs., c.l., works or ship. pts..ton.66.00 - —
l.c.l., ship. pts.....ton.70.40 -66.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.[illegible] - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.112.80 - —
Urunday, extract, 62% tannin, ex dock, U.S. ports..lb. .05625- .05875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls lb. .56 - .59
Indian, bls.....lb. .46 - .48
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 1.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .22 - —
dms., c.l., works.....lb. .18 - —
l.c.l., works .....lb. .16 - —
smaller pkgs., l.c.l., works lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ref. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M)
V.M.P. naphtha (see Petroleum naphtha v.m.p.).

W

Wahoo root bark, bls.....lb 55 Nom.
Wattle bark,[1,8] E. Africa, bgs., f.a.s..ton.52.50 - —
S. Africa, merchantable, bgs., f.a.s..ton.52.50 - —
fair average, bgs., f.a.s. ton.55.00 - —
prime quality, bgs., f.a.s.. ton.57.50 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¾- .06¼
tanks, works.....lb. .04¾- .05¼
solid, E. Afr., 61% tannin, ex dock..lb. .0550[illegible] .05843
S. Afr., 62% tannin, ex dock. lb. .0572- .0597

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb No stocks
Bees, bleached, USP, white bricks, cakes, cs.....lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .50 - .51
Western hemisphere, bgs.lb. .57 - .59
refined, yellow, bricks, bgs.lb. .56 - .61
cakes, cs. .....lb. .58 - .60

Paint formulations developed in the paint division of Witco's Chicago Research Laboratory are subjected to rigid performance tests. Here, one of Witco's skilled technicians records results of weatherometer tests.

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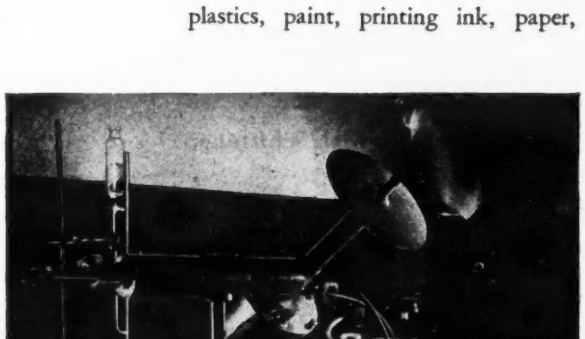
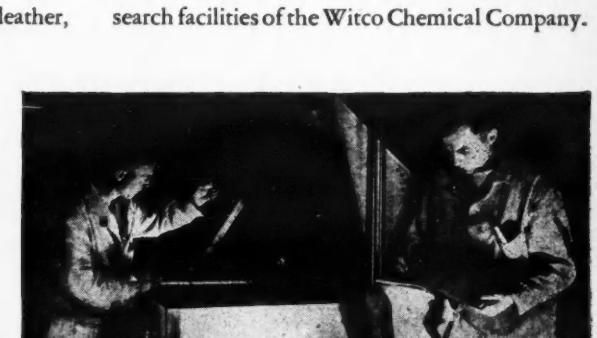
Pilot plant facilities at the Witco Research Laboratory in Chicago permit development of laboratory findings into manufacturing practice. Thus, Witco maintains an integrated program of research to discover and develop better products for many industries including: rubber, plastics, paint, printing ink, paper, leather, ceramics, drugs and cosmetics. This program reflects Witco's belief that research is an essential phase of service to industry.

• • •

We invite your inquiries with respect to processes and materials developed through the research facilities of the Witco Chemical Company.



Uniformity of carbon blacks is conveniently determined by a nigrometer measuring light reflectivity of blacks against a known standard relationship between light reflectivity and particle size.



Testing rust-inhibitor films...the operator on the left is examining a sample under test in a salt-spray cabinet. In the foreground is a ball mill used for grinding pigmented protective coatings.

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Wax, candelilla, crude, bgs.	lb.	.75 - .78
refined, bags.	lb.	.80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra: 80 mesh, 5½c.; 100-200 mesh, 6c.		
Carnauba, chalky, No. 3, bgs., ton lots.	lb.	1.70 - 1.72
North Country, No. 2, bgs., ton lots.	lb.	1.78 - 1.80
No. 3, bgs., ton lots.	lb.	1.75 - 1.80
refined, bgs., ton lots.	lb.	1.80 - 1.85
yellow, No. 1, bgs., ton lots.	lb.	1.85 - 1.87
No. 2, bgs., ton lots.	lb.	1.83 - 1.85
Powdered carnauba prices, same differentials as powdered candelilla.		
Ceresin, dom., 132°-136° m.p., bgs.	lb.	.12½- .13½
138°-140° m.p., bgs.	lb.	.14 - —
158°-162° m.p., bgs.	lb.	.19 - .22
Japan, cs.	lb.	No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns. 36 tons, yearly contract, group 3, works	lb.	.14¼- —
amber, ctns., smaller lots, same basis	lb.	.14¼- .15¼
black, ctns., 30 tons, same basis	lb.	.12¾- —
smaller lots, same basis	lb.	.13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis	lb.	.16½- —
smaller lots, same basis	lb.	.16½- .17¼
black, ctns., 30 tons, same basis	lb.	.14¾- —
smaller lots, same basis	lb.	.15 - .15¾
Wax, microcrystalline, 190°-195° m.p., A.S.T.M., white, ctns., 30 tons, same basis.	lb.	.24¾- —
smaller lots, same basis,	lb.	.25 - .25¾
Ouricury, crude, bgs., ton lots.	lb.	1.10 - 1.15
refined, bgs., ton lots.	lb.	1.30 - 1.35
Powdered ouricury prices same as powdered candelilla.		
Montan domestic, bgs.	lb.	No stocks
Ozokerite, dom., 180-190 F., c.l.	lb.	.25 - —
182-185 F., bgs., c.l.	lb.	.31 - —
171-172 F., bgs., c.l.	lb.	.27 - —
Spermaceti, blocks, cs.	lb.	.27 - .32
cakes, cs.	lb.	.28 - .33
White lead (see Lead, white).		
White precipitate, powd., dme., 50 lbs. or more	lb.	2.50 - —
White pine bark, rossed, bls.	lb.	.16 - .19
Whiting,[1] chalk, dry-grd., bgs., c.l.	ton	18.00 -22.00
l.c.l.	ton	20.00 -24.00
wet-ground, bgs., c.l.	ton	21.00 -25.00
l.c.l.	ton	25.00 -29.00
gilders, bolted, bgs., c.l.	ton	20.00 -24.00
l.c.l.	ton	21.00 -25.00
extra-bolted, bgs., c.l.	ton	22.00 -26.00
l.c.l.	ton	23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works.	ton	6.00 - —
smaller lots, N.E., works.	ton	7.00 - 9.00
wet-grd., air-coated, 360 mesh, 99½%, bgs., c.l.	ton	9.35 -10.10
200 mesh, 99¾%, bgs., c.l.	ton	8.00 - 9.50
80%, bgs., c.l.	ton	6.25 - 7.00
water-floated, extra gilders, bgs., c.l.	ton	10.00 - —
gilders, bgs., c.l.	ton	12.45 - —
putty grade, bgs., c.l.	ton	12.00 - —
Whiting, Paris white, bgs., c.l.	ton	24.00 -28.00
l.c.l.	ton	28.00 -32.00
precipitated, bgs., c.l.	ton	14.00 -16.00
l.c.l.	ton	18.00 -20.00
Wild cherry bark, thick, bls.	lb.	.06 - .07
thin, natural, bgs.	lb.	.16 - .17
rossed, green, bls.	lb.	.25 - .26
Wild indigo root, bls.	lb.	.22 - .25
Witch-haze) leaves, bls.	lb.	.21 - .23
Witherite (see Barium carbonate, natural).		
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton	20.00 - —
60 mesh, same basis.	ton	24.00 - —
80 mesh, same basis.	ton	27.00 - —
100 mesh, same basis.	ton	30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.		
Wormseed, American, bgs.	lb.	.20 - .22
Levant, bgs.	lb.	4.50 - 4.75
Wormwood, bls.	lb.	.59 - .60

X

Xanthorrhiza, bls.	lb.	.28 - .30
Xylene (see Xylol).		
Xylidin, mixed, dms.	lb.	.35 - .36
Xylol (xylene), coaltar, indus., ref. dms., works.	gal.	.31 - —
tanks, E. of Omaha, frt. alld.	gal.	.28 - —
West Minnequa, Colo.	gal.	.26 - —
10°, ref. dms., works.	gal.	.34 - —
tanks, E. of Omaha, frt. alld.	gal.	.29 - —
5°, ref. dms., works.	gal.	.41 - —
tanks, E. of Omaha, frt. alld	gal.	.36 - —
3°, ref. dms., works.	gal.	.47 - —
tanks, E. of Omaha, frt. alld	gal.	.41 - —
Petroleum, 10°, tanks E. of Omaha, frt alld.	gal.	.26 - —

Y

Yara yara, cryst., bots., cns	lb.	1.75 - 1.90
Yeast, brewer's dry, 50 *B* units, dms	lb.	.55 - —
90 B units, dms.	lb.	.45 - —
200 B units, dms	lb.	.50 - —
800 B units, dms.	lb.	.60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.32 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.		
Benzidin, bbls., divd.	lb.	1.35 - 2.25
Cadmium, CP, bgs.	lb.	1.25 - 1.40
ton lots, E. of Rockies.	lb.	.56 - —
smaller lots, same basis,	lb.	.65 - —
sulphide, orange, cs., kgs., works.	lb.	1.10 Nom.
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts	lb.	—
Chrome yellow prices are ½c higher, divd. Ala., Fla., Ga., La. (Shreveport), 1¼c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c., Ft. Worth, Tex., 1½c., El Paso, Tex., 2c., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago		
Dutch, pkg., bbls.	lb.	.09 - 11
Hansa, bbls., same basis as chrome.	lb.	1.37 - —
primrose, bbls., same basis.	lb.	1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa	lb.	.04½- —
l.c.l., same basis.	lb.	.05 - —
synthetic, bbls., c.l., works.	lb.	.0685- —
l.c.l., works.	lb	.0710- —
Mercury oxide, bbls., 1,000 lbs.	lb.	2.43 - —
smaller lots.	lb.	2.45 - —
Ocher, American, golden, bbls., works.	lb.	.04½- .06¾
yellow, bbls., works	lb	.02 - .05
French type, bbls. c.l.	lb	.0845- —
l.c.l.	lb.	.0895- —
Persian orange (see O).		
Zinc, bbls., same basis as chrome	lb.	.16 - —
Navy spec. type, bbls., contract.	lb.	.14 - —
Yellow dock root, bls.	lb.	.35 - .38
Yellow xanthorrhiza (see Xanthorrhiza).		
Yerba santa leaves, bls.	lb.	.30 - .32
Yohimbine hydrochloride, vls.	oz.	3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works.	lb.	.25 - —
smaller lots, works.	lb.	.30 - —
Zinc acetate, tech., bbls., divd.	lb.	.16 - .17
USP, bbls.	lb.	.26 - .27
kgs.	lb.	.29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies.	lb.	.11¾- .13½
l.c.l., same basis.	lb.	.12¼- .13¾
borate, bgs., c.l.	lb.	.13 - —
Carbonate, tech., rubber-making grade, bbls., works.	lb.	.09¾- .10¾
USP, precip., powd., bbls.	lb.	.35
drms	lb.	.40 - —
kgs.	lb.	.37 - —
Chloride, tech., fused, dms., c.l., works.	100 lbs.	5.00 - —
l.c.l., works.	100 lbs.	5.50 -
gran., dms., c.l., works.	100 lbs.	5.75 - —
l.c.l., works.	100 lbs.	6.50 - —
solution, 50%, dms., c.l., works.	lb.	.0315- —
l.c.l., works.	lb.	.04¼- .04½
tanks, works.	lb.	.0250- —
USP, dms.	lb.	.30 - .31
jars	lb.	.35 - .36
Chromate (see Yellow, zinc).		
Cyanide, kgs., works	lb.	.33 - .37
Dust,[6] bbls., c.l., divd.	lb.	.1035- —
l.c.l., works.	lb.	.1135- —
Fluoride, bbls.	lb.	.25 - .30
Hydrosulphite, dms., works.	lb.	.16 - —
Iodide, NF, bots.	lb.	4.68 - 4.75
jars	lb.	4.40 -
Laurate, bbls.	lb.	.32 - .32
Metal,[1] (quotations in Protective Coatings market).		
Naphthenate, 8%-10% Zn, dms.	lb.	.16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., divd.	lb.	.07½- —
l.c.l., divd.	lb.	.07½- —
American process, com'l, lead-free, bgs., c.l., divd.	lb.	.07½- —
l.c.l., divd.	lb.	.07½- —
leaded, 5%, bgs., c.l., divd.	lb.	.07½- —
l.c.l., divd.	lb.	.07½- —
leaded, 35% or more, bgs., c.l., divd.	lb.	.07 - —
l.c.l., divd.	lb.	.07½- —
French process, com'l, lead-free, bgs., c.l., divd.	lb.	.07½- —
l.c.l., divd.	lb.	.07½- —
green seal, bgs., c.l., divd.	lb.	.09 - —
l.c.l., divd.	lb.	.09½- —
red seal, bgs., c.l., divd.	lb.	.08½- —
l.c.l.	lb.	.09¾- —
white seal, bgs., c.l., divd.	lb.	.09½- —
l.c.l., divd.	lb.	.09¾- —
USP, ctns., c.l.	lb.	.10½- —
l.c.l.	lb.	.10¾- —
Zinc oxide Pac. Coast prices ½c. higher bbl. prices ¼c. higher than bgs.		
Resinate, fused, 1% Zn. lump, precipitated, 8.45% to 9% Zn, powd., dms.	lb.	.14½- .15
Silicofluoride, bbls.	lb.	.15 - .19
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
smaller lots, same basis.	lb.	.30 - .31
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 - —
l.c.l., same basis	100 lbs.	4.15 - —
flake, bgs., c.l., same basis.	100 lbs.	3.80 - —
l.c.l., same basis.	100 lbs.	4.55 - —
powd., bgs., c.l., same basis.	100 lbs.	5.35 - —
l.c.l., same basis.	100 lbs.	6.10 - —
Zinc sulphate, in bbls., 25c. higher.		
Sulphide,[1] pure, bgs., c.l., divd.	lb.	.08½- —
l.c.l., divd.	lb.	.08¾- —
bbls., c.l., divd.	lb.	.08½- —
l.c.l., divd.	lb.	.08¾- —

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TORONTO & MONTREAL — Richardson Agencies, Ltd.

D-889

Zinc sulphide, barium pigment,[1] bgs., c.l., divd.	lb.	.0560- —
l.c.l., divd.	lb.	.0660- —
Calcium pigment,[1] bgs., c.l., divd.	lb.	.0560- —
l.c.l., divd.	lb.	.0660- —
Fluorescent pigment,[1] works, frt. alld.	lb.	.90 - 1.00
Magnesium pigment,[1] bgs., c.l., divd.	lb.	.05¾- —
l.c.l., divd.	lb.	.06 - —
Zinc sulphide and pigments, prices ¼c. higher; bbl. prices ¼c. higher than bgs.		Pac. coast
Sulphocarbolate, NF, bbls., dms.	lb.	.28 - .30
Tallate, 5% Zn, dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 - 2.08
Zinc-iron oxide pigment, bgs., c.l., divd.	lb.	.06 - —
l.c.l., divd. E. of Rockies,	lb.	.06¼- —
Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium acetate, solut., bbls., works	lb.	.23½- —
Hydride, cns., works	lb.	7.00 - 8.00
Nitrate, bgs., works	lb.	3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works	lb.	.22½- —
l.c.l.	lb.	.22¾- —
white, 99½-99%, grd., kgs., works	lb.	.30 - —
milled, electric, fused, 2,000-9,999 lbs., works	lb.	.46 - —
500 lbs. and less, same basis	lb.	.46¼- —
Oxychloride, crust., bbls., 5 tons, works	lb.	.29½- —
Sulphate, basic, cake, bbls., c.l., works	lb.	.18 - —
l.c.l., works	lb.	.18½- .20
smaller lots, works	lb.	.30 - .31¼

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (see methyl abetate in Current Market Quotations).		
Acryloid, acrylic ester type, A-10 (30% in cellosalve acetate), bbls., c.l.	lb.	.36 - —
10 dms.—1 to 9 dms.	lb.	.37 - .38
B-7 (20% in ethylene dichloride), bbls., c.l.	lb.	.28 - —
10 dms.—1 to 9 dms.	lb.	.29 - .30
B-72, B-73 (40% in toluol), bbls., c.l.	lb.	.42 - —
10 dms.—1 to 9 dms.	lb.	.43 - .44
C-10 (20% in ethyl acetate), bbls., c.l.	lb.	.28 - —
10 dms.—1 to 9 dms.	lb.	.29 - .30
C-10LV (40% in toluol), bbls., c.l.	lb.	.44 - —
10 dms.—1 to 9 dms.	lb.	.45 - .46
C-5 (20% in toluol), bbls., c.l.	lb.	.28 - —
10 dms.—1 to 9 dms.	lb.	.29 - .30
F-10 (40% in mineral thinner and No. 3 solvent), bbls., c.l.	lb.	.42 - —
10 dms.—1 to 9 dms.	lb.	.43 - .44
SF-100 (100% in solids), dms., c.l.	lb.	.60 - —
10 dms.—1 to 9 dms.	lb.	.61 - .62
Acrysol, C-9, dms., 10 dm., 1-9-dm. lots	lb.	.38 - .38¾
ER, MR, dms., c.l., 10 dm., 1-9 dm. lots	lb.	.43 - —
WA-5, dms., 10 dm., 1-9 dm. lots	lb.	.42 - .44

Acryloid and Acrysol prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Amberlac B-94 (85% in xylol), bbls., c.l.	lb.	.23 - —
l.c.l.	lb.	.23½- —
D-96, bbls., c.l.	lb.	.25 - —
80-X, bbls., c.l.	lb.	.19 - —
l.c.l.	lb.	.19½- —
81-X (70% in xylol), bbls., c.l.	lb.	.18½- —
l.c.l.	lb.	.19 - —
80-MT (50% in mineral thinner), bbls., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
Amberol, phenol formaldehyde type, F-7, light, bbls., c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
extra light, bbls., c.l.	lb.	.17¾- —
l.c.l.	lb.	.18¼- —
dark, bbls., c.l.	lb.	.17 - —
l.c.l.	lb.	.17½- —
F-71, bbls., c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
F-77, bbls., c.l.	lb.	.19 - —
l.c.l.	lb.	.19½- —
K-12-A, bbls., c.l.	lb.	.18 - —
l.c.l.	lb.	.18¼- —
B/S-1, light, bbls., c.l.	lb.	.16 - —
l.c.l.	lb.	.16½- —
extra light, bbls., c.l.	lb.	.16¾- —
l.c.l.	lb.	.17 - —
dark, bbls., c.l.	lb.	.15½- —
l.c.l.	lb.	.16 - —
M-82, bbls., c.l.	lb.	.15¼- —
l.c.l.	lb.	.15¾- —
M-88, bbls., c.l.	lb.	.18 - —
l.c.l.	lb.	.18½- —
M-93, bbls., c.l.	lb.	.19 - —
l.c.l.	lb.	.19½- —
226, bbls., c.l.	lb.	.22½- —
l.c.l.	lb.	.23 - —
ST-137X, bbls., c.l.	lb.	.32 - —
l.c.l.	lb.	.32½- —
HH-1 (70% in toluol), bbls., c.l.	lb.	.33 - —
l.c.l.	lb.	.35 - —
maleic type, 800, extra light and light, bbls., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
801, extra light and light, bbls., c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
801-P, bbls., c.l.	lb.	.16¼- —
l.c.l.	lb.	.16¾- —
806-P, bbls., c.l.	lb.	.16½- —
l.c.l.	lb.	.17 - —
808, bbls., c.l.	lb.	.18 - —
l.c.l.	lb.	.18¼- —
820, bbls., c.l.	lb.	.19½- —
l.c.l.	lb.	.20 - —
925, bbls., c.l.	lb.	.14¼- —
l.c.l.	lb.	.15 - —
926, bbls., c.l	lb.	.15 - —
l.c.l.	lb.	.15¼- —

Amberol 750, bbls., c.l.	lb.	.28 - —
l.c.l.	lb.	.28½- —

Amberlac and Amberol prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Aquaplex (resin emulsion type), S-6, bbls., c.l.	lb.	.14 - —
l.c.l.	lb.	.14¼- —
AM-92, bbls., c.l.	lb.	.14¼- —
l.c.l.	lb.	.14½- —
Aroclors, distilled, dms., c.l., works	lb.	.18 - —
ton lots, works	lb.	.18½- —
single dms., works	lb.	.19 - —
undistilled, dms., c.l., works	lb.	.15½- —
ton lots, works	lb.	.16 - —
single dms., works	lb.	.16½- —

B

Bakelite, phenolic resins, rosin reactive, XR-15775, non-ret. dms., ton, works	lb.	.33½- —
single dm. and less	lb.	.34 - .36¼
XR-15778, non-ret. dms., ton, works	lb.	.50 - —
single dm. and less, works	lb.	.50¼- .53
C-9 resins, liquid types, oil modified, BR-14590, non-ret. dms., ton, works	lb.	.26 - —
single dm. and less	lb.	.26½- .29
XR-13780, not-ret. dms., ton, works	lb.	.34 - —
single dm. and less	lb.	.34½- .37
BR-16640, non-ret. dms., ton, works	lb.	.34 - —
single dm. and less	lb.	.34½- .37
Bakelite, 100% paraphenyl phenol resin, pale, non-heat hardening, BR-254, non-ret. bbls., ton, works	lb.	.33 - —
single dm. and less, works	lb.	.33½- .36
100% phenolic, pale, non-heat hardening, BR-9432, non-ret. bbls., works	lb.	.31 - —
single dm. and less, works	lb.	.31½- .34
BR-4036, non-ret. bbls., ton, works	lb.	.37 - —
single dm. and less, works	lb.	.37½- .40
BR-17700, non-ret. bbls., ton, works	lb.	.32½- —
single dm. and less	lb.	.33 - .35½
dark, non-heat hardening, BR-1329, non-ret. bbls., ton, works	lb.	.29 - —
single dm. and less, works	lb.	.29½- .32
BR-9484, non-ret. bbls., ton, works	lb.	.25½- —
works	lb.	.29 - —
single dm. and less, works	lb.	.26 - .28½
BR-9476, non-ret. bbls., ton, single dm. and less, works	lb.	.29½- .32
pale, heat-hardening, BR-3360, non-ret. bbls., ton	lb.	.36 - —
single dm. and less, works	lb.	.36½- .39
BR-10282, non-ret. bbls., ton, works	lb.	.32 - —
single dm. and less, works	lb.	.32½- .35
BR-14634, non-ret. bbls., ton, works	lb.	.36 - —
single dm. and less, works	lb.	.30½- .33
Bakelite, C-9 resins, solid types, BR-13202, non-ret. bbls., ton, works	lb.	.15 - —
single dm. and less	lb.	.15½- .18
C-9 resins, solid type, BR-13260, non-ret. bbls., ton, works	lb.	.37 - —
single dm. and less	lb.	.37½- .40
oil modified, BR-302, non-ret. dms., ton, works	lb.	.346 - —
single drum and less, works	lb.	.351 - .376
BR-2175 (MTO), non-ret. kegs, ton, works	lb.	.35 - —
single dm. and less, works	lb.	.38½- .41
resin-baking types, BV-1600, ret. dms., ton, works	lb.	.30 - —
single dm. and less, works	lb.	.30½- .33
BV-3366 (MTO), non-ret. dms., ton, works	lb.	.20 - —
single dm. and less, works	lb.	.20½- .33
BV-10673, ret. dms., ton, works	lb.	.35 - —
single dm. and less, works	lb.	.35½- .38
BV-16607 (MTO), non-ret. dms., ton, works	lb.	.212 - —
single dm. and less, works	lb.	.217 - .242
dispersion resins, phenolic, BK-3962X, non-ret. dms., ton, works	lb.	27.7 - —
single dm. and less	lb.	28.2 - 30.7
BK-16700,, non-ret. dms., ton, works	lb.	.27 - —
single dm. and less	lb.	.27½- .30
non-phenolic, XK-16624, non-ret. dms., ton, works	lb.	.22½- —
single dm. and less	lb.	.23 - .25½
resin modified, BR-2072, non-ret. single dm. and less, works	lb.	.23 - —

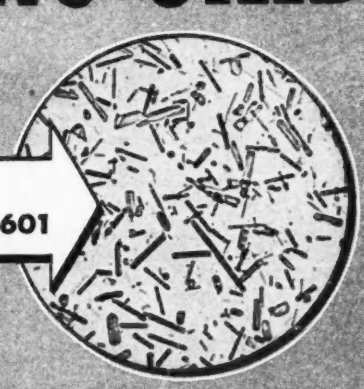
HORSE HEAD

New Jersey Zinc

Lead-Free

ZINC OXIDES

ACICULAR
Horse Head XX-601

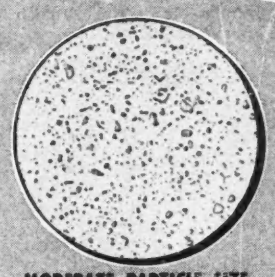


HORSE HEAD XX-601

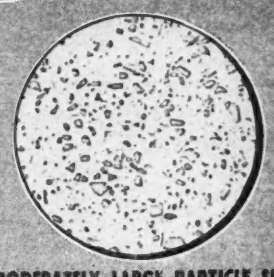
This brand of zinc oxide is characterized by long, needle shaped particles. Used in exterior paints and wood primers.

Horse Head XX-601 has good color and is a medium low consistency type of oxide.

More information on all Horse Head lead-free zinc oxides is given in our Pigment Selection Chart. Send for a copy today.

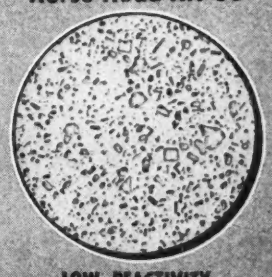


MODERATE PARTICLE SIZE
Horse Head XX-2



MODERATELY LARGE PARTICLE SIZE
Horse Head XX-50

LARGE PARTICLE SIZE
Horse Head XX-503



LOW REACTIVITY
Horse Head XX-505

THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.

Bakelite, phenolic lacquer resins and solutions, XR-3189, non-ret. dms., tes, works. lb. .45 - —
XR-4357, non-ret. dms., ton, works..lb. .45 - —
single dm. and less, works..lb. .45½- .48
BR-8866, non-ret. bbls., ton, works..lb. .18½- —
single dm. and less..lb. .19 - .21½
XJ-10433, ret. dms., ton, works..lb. .37 - —
single dm. and less..lb. .37½- .40
BJ-15408, ret. dms., ton, works..lb. .24 —
single dm. and less..lb. .24½- .27
rosin-reactive, XR-15775, ret. dms., ton..lb. .32½- —
single dm. and less..lb. .34 - .36½
XR-15778, ret. dms., ton...lb. .50 - —
single dm. and less..lb. .50½- .53
C-9, lacquer types, XJ-16580, ret. dms., ton..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-15840, non-ret. dms., ton, works..lb. .34 - —
single dm. and less..lb. .34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse; minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—add 1c. per pound for delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming.

Made-to-order materials marked (MTO) are those whoch are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100, M-K, dms., c.l.lb. .18½- —
l.c.l., same basis.....lb. .18¾- .19¼
1101, N-M, dms., c.l.....lb. .16½- —
l.c.l., same basis.....lb. .17 - .17½
1102, M-K, dms., c.l.....lb. .17¼- —
l.c.l., same basis.....lb. .17¾- .18¼
1106, H-G, dms., c.l.....lb. .17¾- —
l.c.l., same basis.....lb. .18¼- .18¾
1112, WG-N, dms., c.l.....lb. .18 - —
l.c.l., same basis.....lb. .18½- .19
1113 WG-N, dms., c.l.....lb. .16¾- —
l.c.l., same basis.....lb. .17¼- .17¾
1116, K-1, dms., c.l., same basis. lb. .18¾- —
l.c.l., same basis.....lb. .19¼- .19¾
1123, dms, c.l.....lb. .18¾- —
l.c.l., same basis.....lb. .19¼- .19¾
1125, dms., c.l., same basis. lb. .18¾- —
l.c.l., same basis.....lb. .19¼- .19¾
Beckamine, P-138, works, dms., c.l..lb. .24¾- —
l.c.l, same basis.....lb. .25¼- .25¾
P-196, dms., c.l. .....lb. .29½- —
l.c.l., same basis.....lb. .30 - .30½
P-198, accelerator, works, dms., c.l..lb. .28¼- —
l.c.l., same basis.....lb. .28¾- .29¼
P-354, works, dms., c.l.....lb. .24¾- —
l.c.l., same basis.....lb. .25¼- .25¾
Beckopol, 1400, M-K, dms., c.l.lb. .19½- —
l.c.l., same basis.....lb. .20 - .20½
Beckosol, solid, No. 18, 4-5 (80% M.S.), dms., c.l..lb. .26 - —
l.c.l., same basis.....lb. .27 - .28
No. 24, 3-4L (80% toluol), dms., c.l..lb. .35½- —
l.c.l., same basis.....lb. .36½- .37½

C

Cumar resin, AX, non-ret. dms., net weight..lb. .06¼- —
BX, net weight.....lb. .06¼- —
CX, gross weight.....lb. .05¾- —
Cumar resin, DX, gross weight. lb. .05¼- —
EX, gross weight.....lb. .05¼- —
FX, gross weight.....lb. .05¾- —
MH, col. 1.....lb. .11¾- —
1½-2 .....lb. .10¾- —
2½-3½ .....lb. .09¾- —
9 .....lb. .06½- —
MS .....lb. .10¾- —
P, 10°-90° C., col. 2½ and darker..lb. .10¾- —
RH .....lb. .10¾- —
RS .....lb. .10¾- —
V col. ½.....lb. .12¾- —
1 .....lb. .11¾- —
1½-3 .....lb. .10¾- —
2½ and darker.....lb. .09¾- —
W col. ½.....lb. .13½- —
1 .....lb. .12½- —
1½-2 .....lb. .11½- —
2½ and darker.....lb. .10½- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Dow Resin 276 V-2 and V-9, 55-gal. drums, c.l., works, lb. .24 - —
l.c.l., same basis.....lb. .24½- —
5 and 10-gal. drums, same basis..lb. .30 - —

Duraplex (Alkyd type), A-27 (60% in xylol), bbls., c.l.lb. .19½- —
l.c.l. .....lb. .20 - —
A-29 (60% in xylol), bbls., c.l..lb. .21 - —
l.c.l. .....lb. .21½- —
C-45HV (100% in mineral thinner)..lb. .16 - —
l.c.l. .....lb. .16½- —
l.c.l. .....lb. .25¾- —
C-45 LV (100% solids), bbls., c.l..lb. .24 - —
l.c.l. .....lb. .24¾- —
(100% solids), bbls., c.l..lb. .28 - —
l.c.l. .....lb. .28¾- —
C-49 (50% in mineral thinner), bbls., c.l..lb. .19 - —
l.c.l. .....lb. .19½- —
100% solids, bbls., c.l..lb. .29½- —
l.c.l. .....lb. .30¼- —
D-65 (70% in mineral thinner), bbls., c.l..lb. .22 - —
l.c.l. .....lb. .22½- —
E-71 (100% solids), bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25½- —
E-73 (100% solids), bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25½- —
ND-77-B (60% in xylol), bbls., c.l..lb. .19½- —
l.c.l. .....lb. .20 - —
AL-210 (100% solids), bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —

Duraplex prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Durite, 1201, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, Group "A," A (E.S. 2) non-ret. dms., c.l., works, frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo..lb. .15½- —
l.c.l. .....lb. .16 - —
E (E.S. 161), 11 (E.S. 201), c.l., same basis..lb. .16 - —
l.c.l. .....lb. .16½- —
22 (E.S. 202), c.l., same basis. lb. .12 - —
l.c.l. .....lb. .12½- —
25 (E.S. 246), c.l., same basis. l.c.l. .....lb. .11 - —
33 (E.S. 203), c.l., same basis. lb. .15½- —
l.c.l. .....lb. .16 - —
562 (E.S. 19), c.l., same basis. lb. .16½- —
l.c.l. .....lb. .17 - —
660 (E.S. 56), c.l., same basis, lb. .15 - —
l.c.l. .....lb. .15½- —
750 (E.S. 94), c.l., same basis. lb. .18 - —
l.c.l. .....lb. .18½- —
1800 (E.S. 53), 2185 (E.S. 60), c.l., same basis..lb. .15 - —
l.c.l. .....lb. .15½- —
2600 (E.S. 72), c.l., same basis. lb. .18 - —
l.c.l. .....lb. .18½- —
Group "B," B (E.S. 3), c.l., same basis..lb. .15 - —
l.c.l. .....lb. .15½- —
H-1 (E.S. 38), c.l., same basis. lb. .19 - —
l.c.l. .....lb. .19½- —
1-L (E.S. 14), c.l., same basis. lb. .16½- —
l.c.l. .....lb. .17 - —
P-V (E.S. 42), 830 (E.S. 267), c.l., same basis..lb. .16¾- —
l.c.l. .....lb. .17¼- —
2196 (E.S. 259), c.l., same basis..lb. .16 - —
l.c.l. .....lb. .16½- —
2002 (E.S. 282), c.l., same basis..lb. .12 - —
l.c.l. .....lb. .12½- —
2633 (E.S. 60), c.l., same basis..lb. .14½- —
l.c.l. .....lb. .15 - —

Group "A" are standard production items normally carried in the manufacturer's inventory. Group "B" are not always so carried.

Ethocel, etns. (50-lb.), 5,000 lbs. or more, frt. alld. 100 lbs. up, works..lb. .50 - —
under 5,000 lbs., same basis.. lb. .52 - —
under 50 lbs., same basis..lb. .60 - —

F

Flexalyn, solid, non-ret, black iron dms., c.l., f.o.b. cars, destination, zone 1. lb. .14½- —
10 dms., same basis....lb. .15½- —
1-9 dms., same basis..lb. .16¾- —
C, non-ret., black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1380- —
10 dms., same basis....lb. .1455- —
1-9 dms., same basis...lb. .1605- —
solution, non-ret. dms., c.l., f.o.b. cars, destination, zone 1..lb. .1370- —
10 dms., same basis....lb. .1445- —
1-9 dms., same basis...lb. .1595- —
C, non-ret. dms., c.l., f.o.b. cars, destination, zone 1. lb. .13 - —
10 dms., same basis....lb. .13¾- —
1-9 dms., same basis...lb. .15¼- —
FCD 501, 100%, non-ret. dms., c.l., works, frt. alld. Zone 1. lb. .24½- —
l.c.l. .....lb. .25½- —
515-X, 70%, c.l., same basis.lb. .22 - —
l.c.l. .....lb. .22½- —
515, 70%, c.l., same basis....lb. .18 - —
l.c.l. .....lb. .18½- —
515, 100%, c.l., same basis..lb. .25 - —
l.c.l. .....lb. .25¾- —
517, 60%, c.l., same basis...lb. .16½- —
l.c.l. .....lb. .17 - —
521, 50%, c.l., same basis....lb. .13¾- —
l.c.l. .....lb. .14¼- —
521 LV, c.l., same basis....lb. .13¾- —
l.c.l., same basis.....lb. .14¼- —
525, 50%, c.l., same basis....lb. .13¾- —
l.c.l. .....lb. .14¼- —
525 LV, 60%, c.l., same basis. lb. .16¼- —
l.c.l., same basis.....lb. .16¾- —
527, 70%, c.l., same basis..lb. .18 - —
l.c.l. .....lb. .18½- —
527, 100%, c.l., same basis.lb. .25 - —
l.c.l. .....lb. .25¾- —
528, 70%, c.l., same basis...lb. .16¾- —
l.c.l. .....lb. .17¼- —

AGAIN

High Speed Delivery . . .

OF POPULAR
U.S.I. PURE PHENOLIC RESINS

Now available for immediate shipment, Arofene 700 and Arofene 775 provide excellent durability and remarkable resistance to salt water, acids, strong alkali, and other corrosive substances. These pure phenolic resins, containing no rosin or rosin derivatives, are used principally in spar varnishes, chemical-resistant finishes, ethyl cellulose finishes, and in varnishes for fortifying alkyds. Products made with these resins exhibit good color, gloss, and drying properties. *Samples are available upon request.*

Arofene 700
Arofene 775

— For Durable,
Chemical-Resistant Finishes

SPECIFICATIONS

AROFENE 700

Acid Number:	70-85*
Melting Point (Mercury Method):	75-85°C.*
Color:	Paler than WW Rosin
Specific Gravity:	1.1
Solubility:	Complete in all hydrocarbons, usual varnish and lacquer solvents and varnish oils.

*Since this resin is heat reactive, these values are unimportant because in the cooking operation they change completely with the formation of a new chemical compound of which the oil is a part.

AROFENE 775

Melting Point: (Mercury)	121-138°C.
Color of 50% solution of Acetone (GH 1933):	Less than 10
Specific Gravity at 25°C.:	1.05
Volatile (at 560°F. for 15 min.):	Less than 5%
Ash Content:	Less than 0.2%

U.S.I. INDUSTRIAL CHEMICALS INC.
60 East 42nd St., New York 17, N.Y.

FCD 587, 50%, c.l., same basis, lb. .15 - —
l.c.l. ..... lb. .15½- —
586, 50%, c.l., same basis...lb. .15½- —
l.c.l. ..... lb. .16½- —
585, 50%, c.l., same basis...lb. .15½- —
l.c.l. ..... lb. .16 - —
855, 50%, c.l., same basis, lb. .15½- —
l.c.l. ..... lb. .15½- —
885, 60%, c.l., same basis..lb. .18 - —
l.c.l. ..... lb. .18½- —
878, 50%, c.l., same basis..lb. .11½- —
l.c.l. ..... lb. .13 - —
maleic, 3-V, non-ret. dms., c.l., works, frt. alld. zone 1..lb. .15 - —
l.c.l. ..... lb. .15½- —
4, c.l., same basis..... lb. .17½- —
l.c.l. ..... lb. 17½- —
4-V, c.l., same basis..... lb. .18 - —
l.c.l. ..... lb. .18½- —
5-V, c.l., same basis..... lb. .18 - —
l.c.l. ..... lb. .18½- —
6-V, c.l., same basis..... lb. .17½- —
l.c.l. ..... lb. .18 - —
7-V, c.l., same basis..... lb. .18 - —
l.c.l. ..... lb. .18½- —
16, c.l., same basis..... lb. .19½- —
l.c.l. ..... lb. .20 - —
phenolic, 101, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .33 - —
l.c.l. ..... lb. .33½- —
102, c.l., same basis..... lb. .31 - —
l.c.l. ..... lb. .31½- —
modified phenolic, 122, non-ret. dms., c.l., works, frt. alld. Zone 1..lb. .17 - —
l.c.l. ..... lb. .17½- —
140, c.l., same basis..... lb. .17½- —
l.c.l. ..... lb. .18 - —
142, c.l., same basis..... lb. .16 - —
l.c.l. ..... lb. .16½- —
144, c.l., same basis..... lb. .17½- —
l.c.l. ..... lb. .18 - —
157, c.l., same basis..... lb. .18 - —
l.c.l. ..... lb. .18½- —
162, c.l., same bsis..... lb. .17½- —
l.c.l., same basis..... lb. .18 - —
160, c.l., works..... lb. .18 - —
l.c.l., same basis..... lb. .18½- —
synthetic copal, 560, non-ret. dms., c.l., frt. alld. Zone 1..lb. .17 - —
l.c.l. ..... lb. .17½- —

G

G, resin, dms., gross weight, works..lb. .08 - —
Geon polyvinyl resins, Nos. 101 and 102, 50,000 lbs., works lb. .30 - —
5,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 4,999 lbs., same basis. lb. .36 - —
up to 199 lbs., same basis. lb. .38 - —
No. 202, 30,000 lbs., works..lb. .36 - —
5,000 to 29,999 lbs., same basis..lb. .37 - —
200 to 4,999 lbs., same basis. lb. .39 - —
up to 199 lbs., same basis..lb. .44 - —
202, 30,000 lbs., works.....lb. .38 - —
5,000 to 29,999 lbs., same basis..lb. .39 - —
200 to 4,999 lbs., same basis. lb. .41 - —
up to 199 lbs., same basis.lb. .50 - —
Guai-a-phene, dms., dms. incl., non-ret. works, 50-55 gals. gal. 2.50 - —
10 gals., two dves, per case, works..gal. 2.97 - —
Guai-a-phene, 5 gals., one can per case, works..gal. 2.62 - —
6 gals., six ones in single case, works..gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.
Hydrogum, P-100, dms., c.l...lb. .14½- —
l.c.l. ..... lb. .15 - .15½

J

Jonite (see zinc-iron oxide pigment in regular list above).

K

Kopol, 500, estered, D-H, c.l..lb. .22½- —
l.c.l. ..... lb. .23 - .23½
501, fused, c.l..... lb. .20½- —
l.c.l. ..... lb. 21 - .21½

L

Lewisol resin, 2 L, non-returnable light-gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. .17½- —
l.c.l., 10 dms., same basis. lb. .17¾- —
1-9 dms., same basis...lb. .18½- —
28, non-returnable light gauge steel dms., c.l., f.o.b. cars, destination. zone 1..lb. .17½- —
33, c.l., same basis..... lb. .18½- —
l.c.l., 10 dms., same basis. lb. .19 - —
1-9 dms., same basis....lb. .19½- —
28, non-returnable light gauge steel dms., c.l., f.o.b. cars, destination, zone 1..lb. .17½- —
10 dms, same basis.....lb. .18 - —
1-9 dms., same basis.....lb. .18½- —
Lewisol resin prices are f.o.b. cars, New Eng. and Middle Atlantic States, Va., W.Va., N.C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

Metromite pigment, 120 and 180 mesh, containers included, c.l., f.o.b. Milwaukee.. ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
220 mesh, containers included, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers included, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.24.00 - —
400 mesh, containers included, c.l., same basis..ton.27.00 - —
l.c.l., same basis.....ton.30.00 - —

N

Neo-fat drying oil, 170, dms., c.l., divd..lb. .16½- —
190, dms., c.l., divd.....lb. 21½- —
200, dms., c.l., divd.....lb. .23½- —
fatty acid, 32, dms., c.l., ..rd. lb. .14½- -
17 dms., c.l., divd.....lb. 14½- —
19, dms., c.l., divd.....lb. 19½- —
Neo-fat prices are ½c. per lb. higher in all States west of the Rocky Mountains. Drums are included and not returnable.

CANDELILLA WAX

Crude
Double Refined
Lump and Flake

Available now—for use in water wax emulsions, plastics of all kinds, insulation coatings and other products requiring a wax that covers at a relatively high temperature, is durable, and is resistant to the chemical action of many bodies in which it is used.

CHLORIDE of LIME (*bleaching powder*)

Free flowing—35-37% available chlorine. In drums—100, 333, and 825 lbs.

FERRIC CHLORIDE (*iron chloride*)

Lump and Crystal 60% $FeCl_3$. Available in 500 lb. barrels.

...and this well known **ISCO** *trio:*

CAUSTIC POTASH

Solid • Flake • Liquid • Granular • Broken
Liquid FF 45%, special quality iron free for soap makers.
Order in drums and tank cars.

CARBONATE of POTASH

(*potassium carbonate*)

Calcined-99-100% • Hydrated-83-85% • Liquid-47%

CAUSTIC SODA

Solid-Fused 76%.	•	In drums 700 lbs.
Flake 76%.	•	In drums 100 and 400 lbs.
Liquid 50%.	•	In drums and tank cars.

ISCO
INNIS, SPEIDEN & CO.
117 LIBERTY STREET • NEW YORK 6
BOSTON CHICAGO CINCINNATI
CLEVELAND GLOVERSVILLE PHILADELPHIA

RESINS THAT FIT THE JOB

DUREZ 202 — **Heat-reactive.** Promotes extreme hardness and very fast dry.

DUREZ 570 — **Non-heat-reactive.** High corrosion resistance. Maximum durability.

DUREZ 550 — **Non-reactive.** Non-yellowing, brilliant-gloss. For architectural finishes requiring soap resistance.

DUREZ 219 — **Terpene phenolic.** Promotes hardness and fast dry. Has excellent solubility properties.

DUREZ 220 — **Terpene phenolic.** Aids in producing fast drying, hard, abrasion-resistant architectural finishes with good durability.

DUREZ 209 — **Terpene phenolic.** Has excellent color, good hardness, and water resistance—is compatible with a wide range of materials. Can be utilized in many more types of products than any other Durez coating resin.

For samples or further information on above Durez coating resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
136 Walck Road, North Tonawanda, N. Y.

RESINS THAT FIT THE JOB

Neolyn 20, non-ret. dms., f.o.b. cars, destination, zone 1. lb. .24 - —
10 dms., same basis....lb. .24½- —
1-9 dms., same basis...lb. .25 - —
40, non-ret. dms., f.o.b. cars, destination, zone 1...lb. .26 - —
10 dms., same basis....lb. .26½- —
1-9 dms., same basis...lb. .27 - —
Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color 2-½-4, melting point 65-75°C., same basis..lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-483, same basis.....lb. .23 - —
OA, same basis.....lb. .45 - —
RP, same basis.....lb. .25 - —
TS, same basis.....lb. .50 - —
RT, same basis.....lb. .31 - —
RX, same basis.....lb. .31 - —
Neville resin,* R-1 nevindene, color ½, dms., works..lb. .12½- —
R-5, nevindene, color 1, dms., works..lb. .12½- —
R-5, nevindene, color 1½-2, dms., works..lb. .11½- —
R-6, nevindene, color 2½-3½, dms., works..lb. .10½- —
R-7, N.P.S., color below 8, dms., works..lb. .12⅜- —
R-9, hard, color ⅛, dms., works..lb. .12⅜- —
R-10, hard, color 1, dms., works..lb. .11⅜- —
R-11, hard, color 1½-2, dms., works..lb. .10⅜- —
R-12, hard, color 2½-3½, dms., works..lb. .09⅜- —
R-13, medium, color ⅛, dms., works..lb. .12⅜- —
R-14, medium, color 1, dms., works..lb. .11⅜- —
R-15, medium, color 1½-2, dms., works..lb. .10⅜- —
R-16, medium, color 2½-4, dms., works..lb. .09⅜- —
R-16A, medium, color 7-10, dms., works..lb. .08½- —
R-17, medium, soft, color 3½-8, dms., works..lb. .10⅜- —
R-19, medium, soft, color 3½-8, dms., works..lb. .10⅜- —
R-21, soft, color 3½-8, dms., works..lb. .10⅜- —
R-22, special, soft, color 3½-8, dms., works..lb. .10⅜- —
R-27, medium, soft, color 1, dms., works..lb. .12⅜- —
R-28, medium, soft, color 1½-8, dms., works..lb. .12⅜- —
R-29, medium, soft, color 2½-2, dms., works..lb. .12⅜- —
465, 110-125°C., dms., gross weight, Pittsburgh..lb. .06½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevfiloid, C-35 emulsion, ret. dms., works..lb. .12 - —
C-10 emulsion, ret. dms., works. lb. .1125- —
Nextex, 10, returnable dms., works..lb. .08 - —
90, returnable dms., works.lb. .20 - —
Nuba, 1, 80-90° C., dms., gross weight, works..lb. .0290- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 185-180° C., dms., gross weight, works..lb. .04½- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .20½- —
100-lb. pkgs.....lb. .21½- —
Calcium, 5%, 400-lb. pkgs.lb. .22⅜- —
100-lb. pkgs.....lb. .23⅜- —
Iron, 6%, 400-lb. pkgs.....lb. .14⅜- —
100-lb. pkgs.....lb. .14⅜- —
lead, 24%, 400-lb. pkgs....lb. .14 - —
100-lb. pkgs.....lb. .15 - —
30%, 500-lb. pkgs.....lb. .21½- —
100-lb. pkgs.....lb. .22½- —
Manganese, 6%, 400-lb. pkgs. lb. .13⅜- —
100-lb. pkgs.....lb. .16⅜- —
Zinc, 8%, 400-lb. pkgs.....lb. .13⅜- —
100-lb. pkgs.....lb. .16⅜- —
Cobalt, 4%, 400-lb. pkgs....lb. .19⅜- —
100-lb. pkgs.....lb. .20⅜- —
Lead, 16%, 450-lb. pkgs....lb. .09 - —
100-lb. pkgs.....lb. .10 - —
Manganese, 4%, 400-lb. pkgs. lb. .09½- —
100-lb. pkgs.....lb. .10½- —

All prices are divd. to customer's plant everywhere in U.S.A.

P

Paradene, No. 1, 75-90° C., color 13-16, dms., gross wt., works, lb. .0625- —
2, 100-125° C., color 13-16, dms., gross wt., works..lb. .0625- —
3S, 3L, color 10-15, dms., works. lb. .0625- —
4S, color 10-15, dms., works, gross wt..lb. .0675- —

Paradene prices are freight equalized with Philadelphia, Pa.

Paradura 272, c.l., divd.....lb. .22 - —
l.c.l. .....lb. .24 - —
Paranol resin, hard, No. 1, c.l.lb. .16 - —
l.c.l. .....lb. .16½- —
extra hard No. 1, c.l.....lb. .16½- —
l.c.l. .....lb. .17 - —
3S, c.l., divd.....lb. .16½- —
l.c.l. .....lb. .17 - —
4S, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .17⅝- —
5S, c.l., divd.....lb. .19½- —
l.c.l. .....lb. .20 - —
300, c.l., divd.....lb. .18½- —
l.c.l. .....lb. .19 - —
600, hard, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .18 - —
800, c.l., divd.....lb. .17½- —
l.c.l. .....lb. .18 - —
1700, c.l., divd.....lb. .18½- —
l.c.l. .....lb. .19 - —
2100, c.l., divd.....lb. .17⅝- —
l.c.l. .....lb. .18½- —
Paraplex (resin plasticizers), RG-2 (60% in xylol), bbls., c.l..lb. .36½- —
l.c.l. .....lb. .39 - —
(100% solids), bbls., c.l....lb. .44½- —
l.c.l. .....lb. .46½- —
RG-7 (60% in xylol), bbls., c.l. lb. .24½- —
l.c.l. .....lb. .26 - —
RG-8 (100% solids), bbls., c.l. lb. .39 - —
l.c.l. .....lb. .39½- —
G-20 (60% in butyl acetate), bbls., c.l..lb. .46½- —
l.c.l. .....lb. .47 - —
(100% solids), bbls., c.l....lb. .69 - —
l.c.l. .....lb. .69½- —
S-2 (60% in xylol), bbls., c.l.lb. .25½- —
l.c.l. .....lb. .26 - —
(100% solids), bbls., c.l....lb. .39½- —
l.c.l. .....lb. .39½- —
Paraplex AL-16 (70% in xylol), bbls., c.l..lb. .23 - —
l.c.l. .....lb. .23½- —
(100% solids), bbls., c.l....lb. .31 - —
l.c.l. .....lb. .31⅝- —
AL-111 (100% solids), bbls., c.l..lb. .21 - —
l.c.l. .....lb. .21⅝- —

Paraplex prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1, comprising any point in the United States except in the States of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

Parasecco, 5 solid resins, c.l. and l.c.l., divd..lb. .13 - —
4624 solutions (50% in mineral spirits), c.l., divd..lb. .11 - —
l.c.l. .....lb. .11½- —
Pentalyn A, non-ret. dms., f.o.b. cars, destination, zone 1. lb. .13½- —
10 dms., same basis....lb. .14 - —
1-9 dms., same basis....lb. .14½- —
C, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .15½- —
10 dms., same basis....lb. .16½- —
1-9 dms., same basis....lb. .16⅝- —
G, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .15 - —
10 dms., same basis....lb. .15½- —
1-9 dms., same basis....lb. .16 - —
F, non-ret. dms., f.o.b. cars, destination, zone 1..lb. .15 - —
10 dms., same basis....lb. .15½- —
1-9 dms., same basis....lb. .16 - —
P.H.O., dms., works.....lb. .24 - —
Piccolastic, A-L, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa...lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold in heavy gauge steel drums, weighing approximately 53 lbs. each. Drums extra at $1.25 each, and non-returnable.

A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D,150, E-75, E-100, E-125 types, c.l., Clairton, Pa., lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, TX, FHF types, c.l., Clairton, Pa..lb. .12½- —
l.c.l., same basis.....lb. .13 - —

The above types are in heavy gauge steel drums, weighing approximately 53 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolyte resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
S-55, S-70, same basis, c.l.lb. .16 - —
l.c.l. .....lb. .16½- —
S-85, S-100, same basis, c.l.lb. .17 - —
S-55, S-100, same basis, c.l.lb. .17 - —
l.c.l. .....lb. .17½- —
S-115, same basis, c.l.....lb. .18 - —
l.c.l. .....lb. .18½- —
Piccoumaron resins, 420, 420-S, dms., gross wt., f.o.b. Clairton, Pa., frt. equald..lb. .06 - —
420-T, same basis.....lb. .0675- —
422-R, 423-R, 425-R, 427-R, dms., net. wt., same basis. lb. .1075- —
430, 435, bulk, gross wt., same basis..lb. .045 - —
440-T, same basis.....lb. .0625- —
450, 450-H and 450-S, same basis..lb. .09 - —
450-EH, same basis.....lb. .0975- —
460-T, same basis.....lb. .0675- —
XX-25, XX-40, bulk, net. wt., same basis..lb. .0625- —
XX-55, dms., gross wt., same basis..lb. .0575 - —
XX-70, XX-100, same basis..lb. .0625- —
XX-115, same basis.....lb. .0675- —
T-115, same basis.....lb. .0725- —
70%, 420-S Sol., net. dms., net wt..lb. .078 - —
Pliolite, S-1, powder, 600-lb. lots, works..lb. .53 - —
less than 600 lbs., same basis, lb. .55 - —
S-1 resin, milled, 600-lb. lots, works..lb. .58 - —
less than 600 lbs., same basis. lb. .60 - —
S-5, unmilled resin, 200-lb. dms., same basis..lb. .55 - —
milled resin, same basis....lb. .65 - —
Plyophen, plastic resins, 5000, c.l., works..lb. .18½- —
l.c.l., same basis.....lb. .19⅝- .19¾
5010, c.l., same basis.....lb. .17½- —
l.c.l., same basis.....lb. .17⅝- .18⅛
5013, 5013, c.l., same basis.lb. .12½- —
l.c.l., same basis.....lb. .13⅜- .14¼
5014, c.l., same basis.....lb. .14⅜- —
l.c.l., same basis.....lb. .15¼- .15⅝
Polypale, ester, No. 10, non-ret. dms., c.l., divd..lb. .12 - —
10 dms., same basis....lb. .12½- —
1-9 dms., same basis...lb. .12½- —

R

Resinous oil, No. XI, returnable dms., works..lb. .0160- —

S

Saran F-120 resin, c.l., works.. lb. .37 - —
l.c.l., same basis.....lb. .39 - —
F-122 latex, approx. 50% solids contained, wood bbls. (55 gals.), c.l., works..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
10-gal. bbls., same basis.. lb. .80 - —
Silene (see Calcium silicate hydrated under C in Current Market Quotations).
Staybelite ester, No. 5, ret. dms.
Staybelite ester, No. 5, non-ret. dms., f.o.b. cars, c.l., destination, zone 1..lb. .15 - —
10 dms., same basis.....lb. .15½- —
1 dm., same basis.....lb. .16½- —
No. 10, non-ret. black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .15 - —
10 dms., same basis.....lb. .15½- —
1 dm., same basis.....lb. .15½- —
Super-Beckacite, 1001, c.l.....lb. .33 - —
l.c.l., same basis.....lb. .33½- .34
1008, F.E., c.l.....lb. .31 - —
l.c.l., same basis.....lb. .31½- .32
2000, M-K, c.l.....lb. .37 - —
l.c.l., same basis.....lb. .37½- .38
2100, M-I, c.l.....lb. .37 - —
l.c.l., same basis.....lb. .37½- .38
3011, c.l.....lb. .31¼- —
l.c.l. .....lb. .32 - .32½
Syntex resins, 9 (or 1922), non-ret. dms., c.l., works, Louisville, Ky..lb. .18½- —
l.c.l .....lb. .16⅝- —
H12, c.l., same basis.....lb. .17½- —
l.c.l., same basis.....lb. .17⅝- —
H15, c.l., same basis.....lb. .14½- —
l.c.l., same basis.....lb. .15 - —
16, c.l., same basis.....lb. .19⅝- —
l.c.l., same basis.....lb. .20½- —
18, c.l., same basis.....lb. .17½- —
l.c.l. .....lb. .18 - —
19-B, c.l., same basis.....lb. .16½- —
l.c.l. .....lb. .16⅝- —
19-C, c.l., same basis.....lb. .14½- —
l.c.l. .....lb. .14⅝- —
22, c.l., same basis.....lb. .15½- —
l.c.l. .....lb. .16½- —
23, c.l., same basis.....lb. .14⅝- —
23-R, c.l., same basis.....lb. .14⅝- —
l.c.l. .....lb. .15½- —
l.c.l., same basis.....lb. .15½- —
23-5D, c.l., same basis.....lb. .13 - —
l.c.l., same basis.....lb. .13½- —
28, c.l., same basis.....lb. .18⅝- —
l.c.l. .....lb. .19⅛- —
32, c.l., same basis.....lb. .15½- —
l.c.l. .....lb. .15⅝- —
40, 50, c.l., same basis.....lb. .16½- —
l.c.l. .....lb. .17 - —
40-LR, c.l., same basis.....lb. .18½- —
l.c.l., same basis.....lb. .18⅝- —
50, c.l., same basis.....lb. .16½- —
l.c.l., samp basis.....lb. .17 - —
50-L, c.l., same basis.....lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60-A, c.l., same basis.....lb. .21⅝- —
l.c.l. .....lb. .22½- —
60-AL, c.l., same basis.....lb. .22½- —
l.c.l., same basis.....lb. .22⅝- —
115, c.l., same basis.....lb. .12½- —
l.c.l. .....lb. .13 - —
117, c.l., same basis.....lb. .13½- —
l.c.l., same basis.....lb. .14 - —
121, c.l., same basis.....lb. .17½- —
l.c.l. .....lb. .18 - —
217, c.l., same basis.....lb. .15½- —
l.c.l. .....lb. .15⅝- —
217-R, c.l., same basis.....lb. .15½- —
l.c.l., same basis.....lb. .15⅝- —
1979, c.l., same basis.....lb. .17½- —
l.c.l. .....lb. .17⅝- —

U

Uformite, F-200-E (50% in butanol: xylol) bbls., c.l.lb. .20½- —
1-10 drum lots.....lb. .21 - —
F-226-E (50% in capryl alcohol), bbls., c.l..lb. .22 - —
1-10 drum lots.....lb. .22½- —
MM-55 (50% in butanol xylol), bbls., c.l..lb. .28½- —
1-10 drum lots.....lb. .29 - —
MU-56 (50% in butanol: xylol), bbls., c.l..lb. .27 - —
1-10 drum lots.....lb. .27½- —
MM-56 (50% in capryl alcohol), bbls., c.l..lb. .29 - —
l.c.l. .....lb. .29½- —

Uformite prices are f.o.b. manufacturer's plant, with minimum transportation charges allowed to destination on shipments of one barrel or more in district 1.

V

Vanadiset resins, Grade A, 285-300° F, m.p., whse..lb. .0165- .035
Grade B, 245-255° F, m.p., whse..lb. .0225- .050
Grade C, 315-340° F, m.p., whse..lb. .0165- .035
Grade D, 170-180° F, m.p., whse..lb. .0165- .035
Grade E, 275-285° F, m.p., whse..lb. .0225- .050
Grade F, 225-235° F, m.p., whse..lb. .0225- .050
pulverized, whse.....lb. .0850- .210
solution, whse.....lb. .4000- .650
Velsicol, resins, AD-6-8, dms., c.l., Marshall, Ill..lb. .11⅝- —
dms., 10 dms. up.....lb. .12⅜- —
1-9 dms.....lb. .12⅞- —
AB11-4, dms., c.l., same basis. lb. .08⅝- —
l.c.l., same basis.....lb. .09 - —
1068, technical, c.l.....lb. 1.75 - —
l.c.l. .....lb. 1.80 - 2.00
Solutions, AD-600, tankcars, same basis..lb. .08⅜- —
dms., c.l., same basis....lb. .09⅜- —
l.c.l., same basis.....lb. .10⅛- —
AD600, tankcars, same basis. lb. .08 - —
dms., c.l., same basis....lb. .08½- —
l.c.l., same basis.....lb. .09⅝- —
AD670, tankcars, same basis. lb. .09 - —
dms., c.l., same basis....lb. .10⅛- —
l.c.l., same basis.....lb. .10⅝- —
AB-400, tankcars, same basis. lb. .06⅛- —
dms., c.l., same basis..lb. .07⅛- —
l.c.l., same basis.....lb. .07⅝- —
No. 2A, tankcars, same basis. lb. .22½- —
dms., c.l., same basis....lb. .28½- —

Cost of drums, $3 extra, remaining customer's property.

Vinsol resin, pulv., bgs., c.l., divd..lb. .02½- —
l.c.l., divd., Met. area. lb. .06½- —
Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, non-ret. dms., 20-dm. lots, same basis..gal. 2.00 - —
drum lots, same basis....gal. 2.25 - —
less than drum lots, same basis..gal. 2.50 - —
28% by weight, solution in 32% methyl acetate, MA 26-18, 20-drum lots, same basis..gal. 2.15 - —
drum lots, same basis..gal. 2.40 - —
less drum lots.....gal. 2.65 - —
All "Vinylseal" containers except 5-gal. cbys. non-returnable.

Freight allowed to destinations in New England, Middle Atlantic States, Va., N.C., S.C., W. Va., O., Ky., Tenn., Ind., Ill., Mich., Wis., Ia., Mo. and Minneapolis, St. Paul, and Duluth, Minn. For shipments to all other points in U.S., add ½c. per lb. to c.l. and ⅝c. to l.c.l. prices.

Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYNV, VYNY, VYNL, powdered, c.l. (20,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va..lb. .32 - —
10,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 9,999 lbs., same basis. lb. .35 - —
1 to 199 lbs., same basis..lb. .51 - —
VYNS, c.l. (20,000 lbs.), paper bags, same basis..lb. .44 - —
10,000 to 29,999 lbs., same basis..lb. .45 - —
200 to 9,999 lbs., same basis. lb. .46 - —
1 to 199 lbs., same basis..lb. .62 - —
Vinyl chloride-acetate VYCM, powd., c.l., 30,000 lbs., paper bgs., f.o.b. cars South Charleston, W. Va. lb. .38 - —
10,000-29,999 lbs., same basis..lb. .39 - —
200-9,999 lbs., same basis. lb. .40 - —
1-199 lbs., same basis. lb. .56 - —
modified vinyl chloride-acetate, VMCH, c.l. (30,000 lbs.), same basis..lb. .39 - —
10,000 to 29,999 lbs., same basis..lb. .40 - —
200 to 9,999 lbs., same basis. lb. .41 - —
1 to 199 lbs., same basis..lb. .57 - —
modified, acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only, f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.)..lb. .40 - —
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb. .42 - —
200 to 1,999 lbs., same basis. lb. .45 - —
1 to 199 lbs., same basis.lb. .60 - —
chloride resins, AYAC, gran., fiber drms. at option of seller, c.l. (30,000 lbs.), f.o.b. cars, South Charleston, W. Va..lb. .42 - —
2,000-29,999 lbs., same basis..lb. .45 - —
200-1,999 lbs., same basis. lb. .47 - —
1-199 lbs., same basis..lb. .62 - —
QYNA, pwd., c.l. (30,000 lbs.), same basis..lb. .33 - —
10,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 9,999 lbs., same basis. lb. .35 - —
1 to 199 lbs., same basis..lb. .51 - —
butyral resins, XYHL, XYHM, XYNC, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers), 30,000 lbs. f.o.b. cars South Charleston, W. Va., c.l...lb. .62 - —
10,00 to 29,999 lbs., same basis..lb. .63 - —
200 to 9,999 lbs., same basis. lb. .64 - —
1 to 199 lbs., same basis.lb. 1.00 - —

Z

Zinlac, orange or white, 50-gal. bbls..gal. 1.50 - —
kits (5 gals.).....gal. 1.55 - —
jugs (1 gal.).....gal. 1.60 - —

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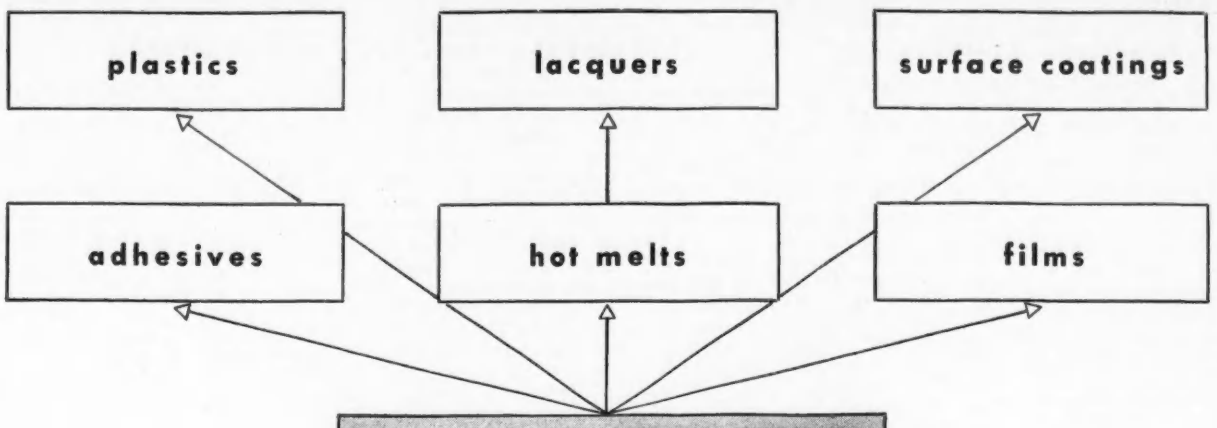

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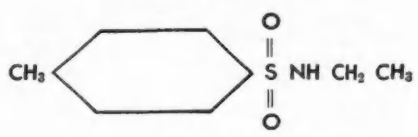
N-Ethyl Para Toluene Sulfonamide



It is quite possible that you can add production economies and improve product quality through the use of Santicizer 3*—a Monsanto pure-white, crystalline plasticizer that is solid at ordinary temperatures. Already it has demonstrated a remarkable versatility in many fields of application...It gives added gloss, toughness, hardness, sharpens the softening point, and improves flow, especially when used in conjunction with other plasticizers.

Suggested for use with cellulose acetate and in low concentrations to give added properties to cellulose nitrate (lacquer grade), ethyl cellulose, cellulose acetate—butyrate, polyvinyl formal, polymide resins and protein type resins.

Santicizer 3 is available in commercial quantities. Samples, prices and technical assistance in developing new uses will be gladly furnished. Write MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Cincinnati, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

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CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE	White Solid
REFRACTIVE INDEX AT 65°C.	Approximately 1.522
SPECIFIC GRAVITY AT 65°/65°C.	Approximately 1.171
ODOR	Very slight
ACIDITY (AS ACETIC ACID)	Not more than 0.10%
MELTING POINT	Approximately 60° C.

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Settling Strikes

One thing stands clear in the welter of enforced dictatorial governing finally brought to bear toward the remedying of employment disruptions. That is that the most essential first step in remedial legislation still is bypassed. The President, his patience overtried, has called for punitive legislation with respect to the insubordination that long has been growing among labor leaders. Congress has, at least, made a noise of agreement. Quite naturally, in the fever of exhausted toleration, the proposed legislation outreaches the desirable principles of a republican form of government. It runs across the line of nationalization of business. But, it is difficult to say that its means are not justfied by the need at which they are directed.

The proposed step toward legislative remedying of the unsatisfactory conditions of employment is fitted to their currently acute stage. The better and essential first step is avoided, apparently because of reluctance to deprive labor of its relatively recently acquired rights in collective bargaining and other fields because of its more or less voluntary following of its leaders. That first step plainly is, not the invalidating of labor's rights, but the removing of the privileges which it has been given by the discriminatory construction of the labor relations act and the antitrust laws and the inequitable nature of the anti-injunction law, for example. Labor need not be deprived of any rights to be stripped of privileges which deprive management of rights. Until those priviliges are removed, employment disruptions will prevail, even though management become as capable as it should be to handle such matters.

Of course, it will be very difficult to get Congress to strip labor of its statutorily bestowed privileges at a time when railroads are striving mightly to get exemption from the antitrust laws' prohibition of collusion; when realtors are petitioning the ways and means committee to exempt real estate salesmen from unemployment insurance benefits; when the seeking of privileges and discriminations is one of the most prevalent undertakings. Employment problems, in common with most other things which plague mankind, derive from the inequitableness of all concepts and practices of human relations. Legislation at best is inadequate in the fundamental need.

Distribution's Job

Students and observers of the mechanics of applied commercial economics are manifesting a lessening belief that production, and still more production, is the only effective and solely necessary means of restoring to the United States economic stability that will last. They are beginning to recall the days of overproduction—or underconsumption — when prosperity was profitless for the simple reason that there is no money in merely making goods: they must be sold.

And so it is that even some leaders of big-production enterprises are beginning to talk about the necessity of matching mass production with mass distribution. They know that, without adequate distribution, production is a loss. They recognize that the productive capacity developed to meet the demands of war cannot be utilized efficiently in the service of markets no larger in ability to consume than were those of the late 'thirties. Production itself increased 150 percent between 1940 and 1944.

Those who are coming to a recognition of the essentiality of distribution in the construction and maintenance of real, stable prosperity, are still divided and largely dubious with respect to the means of providing adequate markets for the potential production of United States business. The big problem, of course, is to provide the financial ability to buy. It is recognized that proper selling is the starter, which will set in motion the increasing demand that, of itself, will directly contribute something to the national buying power by providing more employment and also will have a similar secondary effect through the necessity of increasing productive employment to keep up with the growing demand. But, there is a point at which the starter's role ends and actual power fuel must take over to keep the business machine running at steadily, more or less rapidly increasing speed.

There is a fair measure of agreement among the recognizers of distribution as a key to prosperity that one of the best means of approaching its theoretical efficiency is by making it cost less. That is so simple that there is little knowledge and still less agreement with reference to how it can be done. The opposition to what is adduced as mass distribution is strong on the part of those who would be without jobs under the suggested processes. Salesmen's organizations are already loud and vigorous in their condemnation as monopolistic of such practices as the direct negotiating of a contract whereunder a large distributing organization takes the total output of a manufacturer.

In these days of black markets, "emergency" sources of supply, stocking lines, butter tie-ins, and other symptoms of the inadequacy, or something, of the existing system of distribution even under allegedly curtailed production, little is heard on the old theme that distribution costs too much. Under the more usual conditions of a decade ago, distribution fell far short of the efficiency of production in goodly part because it had to carry a larger share of the "excess cost" of maintaining a system of free competition. As long as it has that handicap, distribution will never do for mass production enough to make the benefits of the latter universal. That service will require mass distribution. Perhaps some of those who speak so approvingly of the teaming of mass production and mass distribution appreciate what that would have to mean for competition in the latter field. Nevertheless, mass distribution is, to a substantial degree, inevitable.

Tomorrow's Textiles

The future of cotton is hung deeply with haze. The threats of synthetic fibers—chemical products—on one side and, on another, the efforts of politicians—in public office or in trading quarters—to maintain wartime prices point quite plainly to the possibility that another "king" is about to be deposed and exiled. And the average user of cotton garments, facing the emptiness of sources of supply, is beginning to voice the hope that some sort of fabric from woods or weeds will come out of war-pinched Europe to relieve his greed-gouged condition. The wholesale price of cotton now runs around 260 on the basis of 1935-9, while that of textiles is about 167, and the general wholesale average is 147.

Some in the realms of cotton are fearful that the political pressure for inflated prices will kill the already whittled chances of the natural fiber to maintain a satisfactory competitive position. Others proclaim the existence and persistence of worldwide demands that will keep all mills operating at maximum capacity—even though the only way to get a $2 white cotton shirt is to pay another $2 for the flaps on its pockets and the jackass ears on its collar. That talk is becoming recognizable as whistling in the dark. The days of cotton as the first textile are darkening to a disturbing twilight. The chemical, oil, and other industries which have contributed in no small part to the prosperity of cotton must be prepared for the change.

The "wet" technology of textile finishing faces new problems every day as new fibers come into the field. As these fibers are manmade chemical compounds, it should be that the chemical technology of their handling and fabricating follow clear known rules of chemical relationship. But, there is a physical aspect to all such chemical fabrications which seems to be the controlling factor as it long has been in the working of natural materials. And it is never the same.

Aside from the fact that, with the synthetic fibers, the "wet" processing precedes the spinning and weaving, because it is essential to their production, every subsequent "wet" process differs more or less from the corresponding treatment of natural material—and there is much yet to be learned toward giving wearing strength, color permanence, and laundering properties comparable with the results of some thousands of years of experience with cotton.

Some of the knowledge deriving from war's necessities will be found helpful in the new textile chemical problems. But, full satisfaction in their solution will demand much work, the greater part of it largely without precedent. It has been said, with what degree of justification does not appear, that, even in the making of dyes, the United States—kingdom of cotton—has lagged in the finishing of synthetic fibers. The fact that an awakening from that condition is now plainly discernible does not tend to dissipate the haze that hangs over the future of cotton.

Washington Talks It Over

—Continued from page 5

on an inflationary spending spree, they would have ample means at their disposal, and it is not likely that the spree could be curbed by a tightening of the money market by the central banking authorities.

The Commerce Department says that the American public, including businesses as well as individuals, emerged from the war with a record accumulation of cash and securities, including about $25,000,000,000 in currency, $75,000,000,000 in demand deposits, $50,000,000,000 in time deposits, and almost $100,000,000,000 in government securities. This is far in excess of any "normal" requirements suggested by past experience.

Because of this huge supply of reserves, experts expect that an "easy money" market will continue for a long time after the transition period is past. There is a lot of uncertainty, however, over how much lower long-term interest rates can fall and still meet the minimum requirements of business risks, investment costs, and taxes.

Alaskan Oil Plan

The navy, looking ahead to the possibilities of another emergency, is working on two major projects:—(1) The use of atomic energy as a major source of fuel and power, and (2) development of the last of the known huge oil reserves, which is located in Alaska. For the latter project, Congress is providing the department with approximately $10,000,000 for exploration work to map out the fields.

The oil program for the North is in the nature of a stockpiling program for petroleum. Because of the hardships of the Alaskan climate the oil will be brought from the ground and sent down the coast to the California area. There it will be turned over to the California companies in return for these companies' leaving in the ground an equal amount of oil to be made available to the navy when needed.

Corn for Pharmaceuticals

The drug industry is being advised by ADMA to call the attention of Director Snyder of OWM to its needs for corn products. If it doesn't, it is liable to discover one of these days that its sources of supply for such things as starch and glucose have suddenly dried up. Mr. Snyder seems to be the man who can do most for the industry now that control over the situation has passed on to higher government levels.

Some rather strange things have been happening in recent weeks in relation to corn, for which there seems to be no plausible explanation. It will be recalled that, when the government first started paying 30 cents a bushel bonus for corn, the promise was made that the needs of pharmaceutical producers would be met out of this supply. It never reached the 50,000,000-bushel purchase goal when ceiling prices were raised 25 cents and the government stopped buying.

Inquiries made at the Department of Agriculture as to where this left the drug industry brought only unsatisfactory response. Indications were that, since the government was not buying, it could no longer provide the assurances previously given. What was to become of the corn the government did buy was the next question raised. The first answer was that all this would be sent to Europe; later it was stated that this action had been rescinded and it was decided to hold the corn; now the dope is that officials have reversed themselves again and will ship.

Your guess is as good as anyone's as to the probable outcome.

Builders Must Be Good

The Civilian Production Administration has served notice on the building industry that it will not tolerate violations of its building orders and that anyone caught at such doings is going to find himself out of business. The shortage of materials and the heavy demands for veterans' housing have made it necessary for the agency to get tough.

The first one to feel the effects of this crackdown policy was a San Francisco contractor, who used his HH ratings to get more lumber and doors than he was entitled to. He has been deprived of all priority assistance in obtaining building material for the next four months. Twelve similar cases are now under investigation by the agency.

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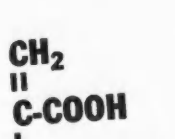

This unsaturated dibasic aid, now available in research quantities, offers many possibilities as a raw material in the field of chemical industry.

A white, crystalline solid, Itaconic Acid has a melting point of 167-168°C. As for solubility in water, a saturated solution at 20°C. contains 7.6 grams of Itaconic Acid per 100 grams of solution.

It can be used as a raw material in the preparation of resins of various types.

Its esters can be polymerized to yield colorless, transparent plastics of varying characteristics, depending on the alcohol with which the acid is combined. They can also be co-polymerized with other monomers, opening a wide range of possibilities.

Its structure indicates that it might prove a useful raw material for the preparation of wetting agents.

It can be converted to citraconic or mesaconic acid and forms an anhydride.

Reduction yields methyl succinic acid which, in turn, offers other possibilities as a raw material.

Itaconic Acid is not yet being prepared in commercial quantities, but limited amounts are available for laboratory research.

For samples and further information, please inquire of Chas. Pfizer & Co., Inc., 81 Maiden Lane, New York 7, N. Y.; 444 West Grand Avenue, Chicago 10, Illinois; 605 Third Street, San Francisco 7, Cal.

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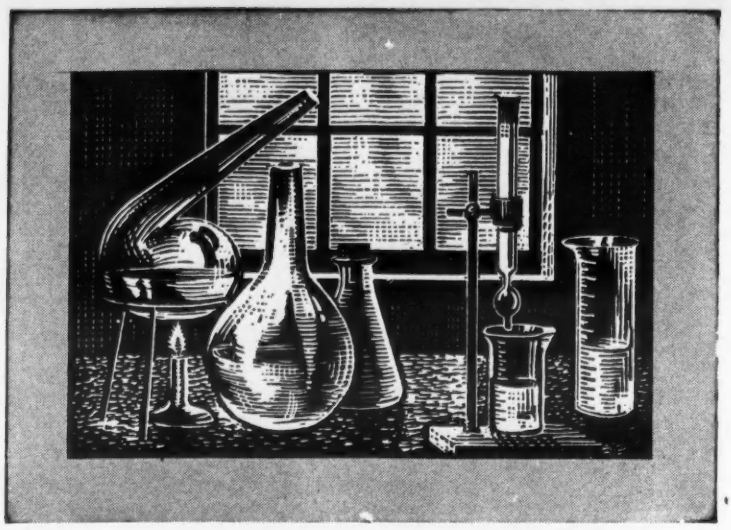

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Heavy Chemicals

While transportation has improved during the past week, the fuel shortage has not permitted any increase in production of heavy chemicals and in many items, inventories have been depleted or have remained at an exceedingly low level. In the alkalies, a heavy demand has been fed from a cutback production that is far short of requirements and this condition applies to about every other industrial chemical where the tonnage is extensive. The allocation policy has become general while the pressure for shipments has increased. In the meantime, backlog orders of sizable dimensions will add tension to the future movement and the restoration of permanent fuel stocks will probably not ease the supply situation for many weeks to come. Temporarily, new business is at a standstill both for home and export.

Chlorine has continued to tighten and there is less carbon tetrachloride for sale. Demand for salt cake has reduced inventories. Sulphuric acid has tightened under an exceedingly heavy demand for superphosphate. Oxalic acid shipments have continued nominal with no specified options named. In most of the other mineral acids, essential demands have been satisfied but there are no excess stocks. It is expected that production of defluorinated phosphate rock will be increased next month, but inventories are at a low level at present. There was just about enough alumina sulphate and bleaching powder to meet demand. The copper chemicals have continued to tighten with copper scrap becoming increasingly short. In general, the supply outlook is decidedly incertain.

Exports of domestic chemicals in March were valued at $7,345,000 compared with $5,766,000 in February and $14,213,000 for March, 1945, according to the Department of Commerce.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.5	168.5	168.5	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

Alumina Sulphate—Major consuming industries have received shipments of both varieties of this material. There are no excessive stocks at present but enough to meet demand without difficulty.

Arsenic—White powdered arsenic has continued in exceedingly short supply on account of cutback production resulting from labor difficulties. Concern is increasing over the supply of arsenates for agriculture this year. Strikes at the arsenic supply sources in Mexico have slowed down shipments from that country and inquiries are now being made with the hope of bringing in material from Sweden.

Bleaching Powder—While inventories have been reduced, there seemed to be enough material to meet current demand but producers have experienced difficulty in securing containers.

Cadmium Oxide—Stocks are exceedingly short at present on account of restricted production resulting from a scarcity of the metal. This condition is also true of all the other cadmium chemicals.

Copper — Importations in March amounted to 15,434,000 pounds, compared with 26,733,000 pounds in February and 156,018,000 pounds in March 1945.

Copper Carbonate—Not in free supply but meeting the requirements for prevention of mildew.

Copper Chloride—Shipments have fallen behind schedule with demand showing a tendency to increase for chemical and pyrotechnical uses.

Copper Nitrate — Production has been slowed down by the shortage of scrap copper. Demand mostly for chemical uses has exceeded the current supply and shipments have not met scheduled requirements.

Defluorinated Phosphate Rock — Available stocks are short at present with production temporarily suspended by one of the major producers. The suspension is due to the removal of the plant to Florida and it is expected that output will be resumed next month. Demand has continued active from the stock-feeding trade where the definite shortage of bone meal has made defluorinated phosphate a satisfactory substitute. Many consumers increased their inventories earlier in the year to tide over the period of cutback production.

Fluorspar—Consumption of fluorspar was 85 percent more in March than in February and was the highest since August 1945, according to the Bureau of Mines. Usage of fluorspar in steel mills in March was the largest since July 1945. Consumption of fluorspar at hydrofluoric-acid plants advanced for the fifth successive month and the quantity employed by the glass industry in March was the largest recorded since January 1942. Both production and shipments of fluorspar were greater in March than in February, but they did not equal consumption. Imports in March, however, were less than half those of February. Production in March amounted to 20,267 tons against 17,425 tons in February. Stocks at the close of March were 281,281 tons, compared with 310,417 tons on February 28.

Nickel Sulphate—Production insufficient to meet demand for plating and requirements of the lard compound producers. Shipments are reported to average about two months behind schedule with progress retarded by the present coal shortage. The market is short of stocks with only occasional odd lots available.

Potash Chlorate — Shipments nave been interrupted and the movement has been thrown out of balance by cutback production resulting from the shortage of coal. Producers have moved all material possible to meet demand.

Potash Carbonate—Market position has tightened under cutback production and the movement into consuming channels has slowed down with all stock moved as soon as available. Conditions are similar in caustic potash.

Salt Cake—Consuming demand from the glass and paper industries has kept inventories low while the market's supply position has correspondingly tightened. No improvement in production is expected until there is a permanent fuel supply.

Soda Ash—Supply conditions cannot be described as better. The movement of coal to producing plants has continued of the same irregular character and, while producers have made all the material possible, the available tonnage has been considerably below the amount required. The same active demand has featured the market with producers adhering to the allocation method as a means of equalizing distribution. There seemed to be no way of restoring output to a normal basis until a permanent supply of soft coal is assured.

Soda, Caustic—All forms have been affected by cutback production and stocks have continued exceedingly scarce. The movement has been confined to contract consumers with every attempt made to cover essential requirements by equalized shipments. Pressure of demand for rayon, textile petroleum and other major consuming industries has prevented any sizable lots from reaching the resale market and the overall supply situation has practically shut off exports or any other new business.

Soda Chlorate—Shipments are behind schedule with all material moved as rapidly as made available. Demand has not relaxed and a healthy volume of backlog orders have been built up. Under such conditions the market's position has tightened without much sign of relief until the fuel supply permits a restoration of production of normal capacity.

Tin—According to Washington advices, there seems to a deadlock in

For Late Market Developments, See Page 4

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negotiations over the renewal of the contract for the purchase of Bolivian tin. The Reconstruction Finance Corporation which operates the only tin smelter in the United States, built by the Government at Texas City, has offered independent tin producers of Bolivia 62½ cents a pound for tin. In addition the agency would pay a bonus of one cent a pound for all deliveries in excess of 15 per cent of the 1943-44 deliveries. The independent tin mining companies have asked 65 cents a pound. The Government is paying 60 cents a pound at present, although it paid 65 cents for a brief period during the war.

Tungsten—A report, 3857, of the exploration of the Micklenburg County, Virginia tungsten area has been published by the Bureau of Mines. The report gives an account of exploration work in the mineralized zone extending into Virginia from the Hamme, Vance County North Carolina, tungsten deposits. A copy of the report may be obtained free from the Bureau of Mines, Washington 25, D. C.

Zinc Sulphate—Cutback production has prevented any relief to the scarcity of this chemical. Heavy orders previously placed have taken care of any available material and kept the market in definitely short supply. It was stated that demand from the rayon industry and for agricultural use has registered a substantial increase this year.

Acids

Hydrofluoric—Inventories have continued sufficient to meet the current consuming demand for the anhydrous and other grades. It was stated that some material was available for export but the shortage of export containers restricted business.

Hydrofluorsilicic—Inquiry not unusually active last week. Present stocks have been able to meet demand for prompt shipments without difficulty.

Nitric — Cutback production has tightened the supply position to some extent but it appeared that all essential requirements were being covered.

Oxalic—Coal shortage has prevented any improvement in the supply position. Heavy backlog orders are said to be sufficient to take care of production for many weeks ahead. Meanwhile, producers are not inclined to name any specified shipments until the market has been brought into a better state of balance.

Sulphuric—According to Baltimore advices, the storage acid has passed from producers into superphosphate channels. Locally, it has been easier to purchase small lots than sizable quantities although the shortage of containers seemed to be getting tighter with each successive week. Demand was reported active both for home and export requirements.

GE Plastics Post For G.P. Lehmann

Appointment of George P. Lehmann to the newly created post of assistant manager of the General Electric plastics divisions has been announced by William H. Milton, jr., manager of all G-E plactics operations.

A former colonel in the 12th Air Force Service Command, Mr. Lehmann has been staff assistant to the manager of the plastics divisions since his return from service last Fall. He was previously assistant to the chief engineer of the plastics divisions and also served as plant engineer at the G-E Meriden, Conn., plant.

Nickel Production Shows Increase

Domestic consumption of primary nickel amounted to more than 180,000,000 pounds in 1941, rose to 190,000,000 pounds in 1942, and again to over 200,000,000 pounds in 1943, according to the Civilian Production Administration. During 1944 consumption took place at a somewhat slower rate, aggregating 160,000,000 pounds in January-October.

Evans Chemetics Workers Reject AFL Union

The production and maintenance employees at the Waterloo, N. Y., plant of the Evans Chemetics, Inc., N. Y., voted by 70 percent to reject the International Chemical Workers Union of the AFL as their bargaining agent. The election was held by the National Labor Relations Board.

Surplus Plants Offered by WAA

OPD Washington Bureau

The Front Royal, Va., sulphuric acid plant, leased and operated during the war by the General Chemical Company, has been offered for sale or lease by the War Assets Administration. The plant has a rated production capacity of 160,000 net tons of acid per year.

The WAA also is offering for sale or lease six Army ordnance plants located in Jacksonville and Hope, Ark.; Baraboo, Wis.; Prairie, Miss.; Choteau, Okla., and Point Pleasant, W. Va.

Mathieson Opens Dry Ice Plant in N.Y.

The Mathieson Alkali Works, New York, has opened a dry ice and carbonic gas distribution center in Long Island City, N. Y., marking its entrance into this field in the North.

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Manganese Ore Supply Data Reported

New supplies of manganese ore (ore containing at least 35 percent manganese, natural) varied between 1,334,000 long tons in 1940 and 1,481,000 in 1943, dropped to 1,250,000 tons in 1944, and then rose to 1,355,000 in eleven months of 1945. Domestic output accounted for only a small portion of new supply, but rose steadily from 40,000 tons in 1940 to 217,000 in 1944 before falling off in 1945. Imports, which comprised the difference, were chiefly from India, Brazil, Cuba, Gold Coast, and South Africa. Total imports in 1944—1,033,000 long tons—represent a decline of 19 percent from the 1943 level, but the situation was materially worse with respect to the high-grade ores from Brazil, Gold Coast, and India; new supplies of such ores in 1944 were off by 43 percent from the preceding year, and stocks dropped sharply during the year. Total imports increased in 1945, aggregating 1,197,000 tons in January-November.

Ferromanganese production in the United States was about 600,000 long tons in each year of the period 1942-44, with output for the first eleven months of 1945 amounting to 512,000 tons.

Chemical Workers Weekly Earnings Up

Weekly earnings of factory workers in chemical and related fields showed a slight gain in March, as compared with February. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	Mar., 1946	Feb., 1946	Jan., 1946
Chemical and allied products	$43.29	$42.73	$42.61
Ammunition	44.01	43.97	42.89
Chemicals	51.14	50.60	50.66
Cottonseed oil	29.73	29.26	29.76
Drugs, medicines, insecticides	38.35	37.64	36.28
Explosives, safety fuses	47.98	47.25	46.96
Fertilizers	31.93	30.68	29.88
Paints and varnishes	45.89	45.49	45.17
Petroleum refining	....	....	....
Rayon, allied products	39.53	39.13	39.23
Soaps	46.43	46.76	48.17

Textile Technology Institute Adds Roelofs to Biology Div.

Dr. Eugene W. Roelofs, recently released from the Air Forces with the rank of Captain, has joined the staff of the Institute of Textile Technology for work in the division of biology. Prior to the war, Dr. Roelofs was a fisheries research biologist with the institute for fisheries research in the Michigan Department of Conservation.

Ilmenite Output Up

Output of ilmenite in 1945 exceeded 300,000 tons an increase of 11 percent over 1944, according to the Bureau of Mines. Salient statistics for ilmenite in the United States in 1944-45 follow:—

	Tons			
	1944		1945	
	Gross weight	TiO_2 content	Gross weight	TiO_2 content
Production	278,610	.....	308,516	.....
Mine shipments	280,791	125,095	308,518	141,852
Imports	108,948	.....	210,066	.....
Consumption	360,941	175,475	381,178	187,580
Stocks at year end	167,686	75,852	272,598	135,760

G-E Names Fitzgerald To Plastics Div. Post

The plastics division of the General Electric Company has appointed David Fitzgerald manager of employee relations. He has been serving as assistant to the manager of the department since 1940.

Du Pont to Expand At Jackson Laboratory

E. I. du Pont de Nemours & Co., Wilmington, Del., will spend an estimated $600,000 to construct an addition to its Jackson laboratory, Deepwater Point, N. J.

Chemical Salesmen to Golf

The Salesmen's Association of the American Chemical Industry will hold its initial golf tournament at the Baltusral Country Club, Short Hills, N. J., June 18. Reservations are in charge of Jack Seidler, Whittaker, Clark & Daniels, 260 Broadway, New York, chairman of the entertainment committee of the association.

Mineral Survey Of Japan Compiled

A mineral survey of Japan, compiled by the Bureau of Mines under extreme wartime difficulties and described as the first comprehensive appraisal of Japan's resources and production during the years of her spectacular military rise and fall, has been released by Secretary of the Interior J. A. Krug.

Detailed information on the Japanese Empire's sources of supply and the utilization of ores and metals, nonmetallic minerals, and mineral fuels is presented in this survey, which also contains maps, charts, tables, and a gazetteer of the country's principal mines and plants. Requests for a free copy should be addressed to the Foreign Minerals Division, Bureau of Mines, Department of the Interior, Washington 25, D. C.

Tantalum Ores Output Data Given by CPA

New supplies of tantalum ores amounted to nearly 570,000 pounds, gross weight, in 1942, increased to over 650,000 pounds in the following year, and rose again to 840,000 pounds in 1944, according to Civilian Production Administration. Domestic production over the period 1942-44 was negligible, amounting to 200 pounds in 1942, about 9,400 pounds in 1943, and only 7,200 pounds in 1944. Thus virtually all new supplies were imported, largely from Brazil and Belgian Congo.

Agriculture Research

—*Continued from page 7*

agricultural manpower, soils, plants, animals, and equipment than those to which they are now, or may hereafter be devoted.

Research relating to the conservation, development and use of land, forest, and water resources for agricultural purposes.

Research relating to the design, development, and the more efficient and satisfactory use of farm buildings, farm homes, farm machinery, including the application of electricity and other forms of power.

Research relating to the diversification of farm enterprises, both as to the types of commodities produced, and as to the types of operations performed, on the individual farm.

Trade Briefs

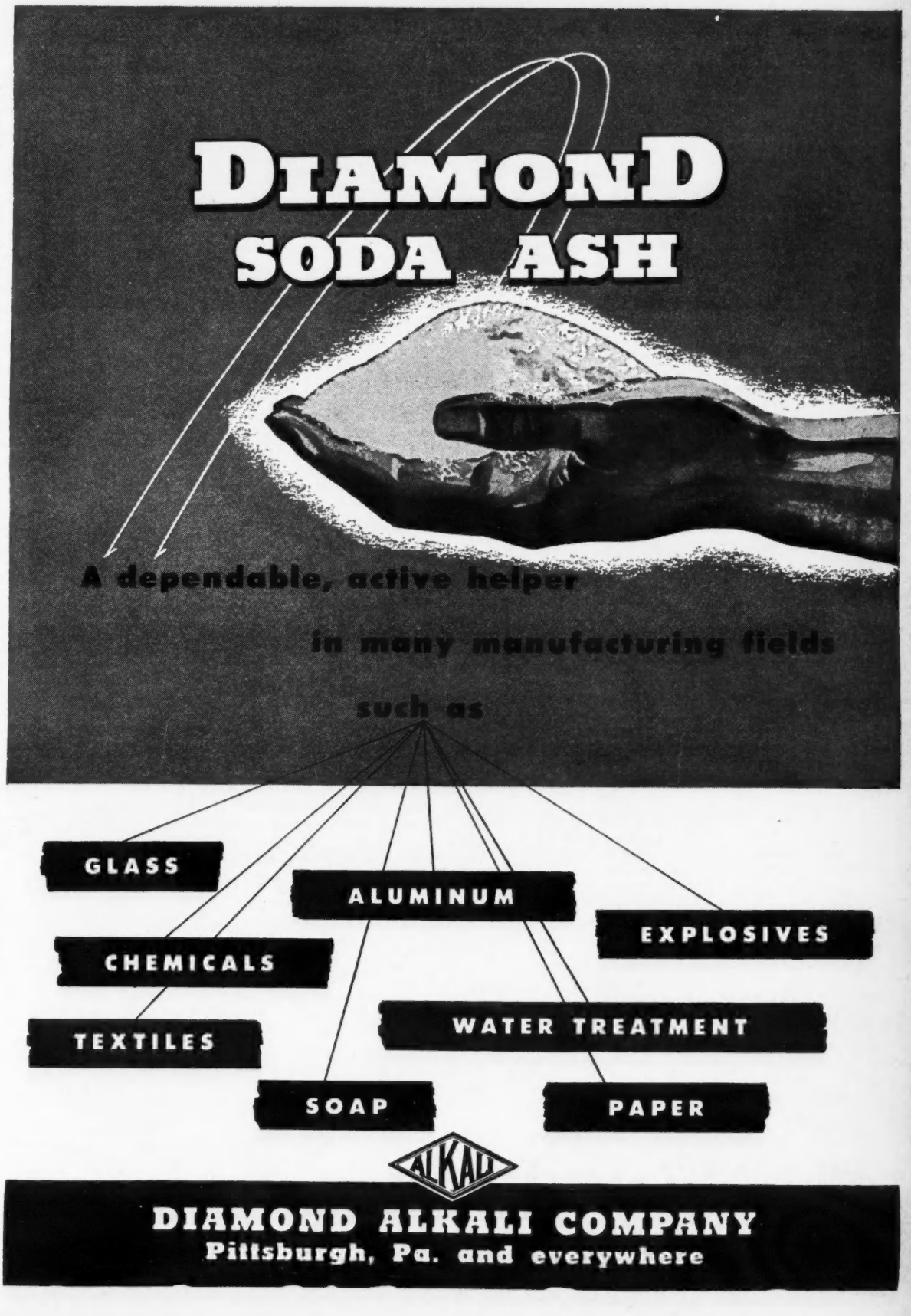
Pennsylvania Salt Manufacturing Company, Philadelphia, is issuing a pamphlet on 'PM-90,' a new, acid-type chemical cleaner for metals, developed by its special chemicals division.

American Potash & Chemical Corporation, New York, will build a two-story office building in Los Angeles.

International Minerals & Chemical Corporation, Chicago, has filed with the Securities and Exchange Commission a registration statement covering 145,834 shares of its common stock, $5 par value.

Aerotec Company, White Plains, N. Y., has designed a new pressure relief valve that maintains a predetermined pressure by relieving any excessive pressures that may take place in fuel and hydraulic lines.

Oakite Company, New York, has developed a new, self-emulsifying, water-mixable solvent, called composition No. 92, which claims to remove light shop dirt and non-pigmented stamping compounds from steel and aluminum work.



Lead Pigments

—Continued from page 5

the complaint, that any pricing system for standardized products such as lead pigments which results, irrespective of the respective purchasers' distance from the seller's factory, in a uniform net return on all sales, or any other system substantially different from that used by this respondent has the necessary tendency and capacity to create territorial spheres of monopoly for some manufacturers, sellers and dealers within which spheres such manufacturers, sellers and dealers can set or determine, within broad limits, the price at which they are able to sell and still prevent any other competitor having a freight disadvantage from competing in such territory.

In its third defense, Sherwin-Williams alleged that where its net return from sales of identical quantities to identical classes of purchasers in different competitive areas varies, such variance does not constitute a discrimination in price between different purchasers of a commodity of like grade and quality within the purview of the Robinson-Patman Act and does not constitute an unfair method of competition or an unfair act or practice, and is not otherwise unlawful.

The Eagle-Picher Sales Company and The Eagle-Picher Company, in joint answer to the complaint, denied the allegations of the commission, and stated that they had ceased all collaboration with their competitors upon the declaration that the National Recovery Act was unconstitutional. In defense of present pricing practices, the answer further stated:—

The delivered price selling, zoned or otherwise, promotes competition among the pigment manufacturers and among their customers and the delivery function cannot be transposed from the sellers to the buyers without disturbing established competition which evolved legally, without creating inequities due to the happen-stances of customers' locations in respect to those of pigment plants and without violating the very statutes under which this action is brought.

The National Lead Company said that the pricing methods adopted by it and the prices quoted and obtained by it, have been adopted and quoted by it in good faith, and are established on the basis of actual and anticipated costs of manufacture and distribution with due consideration being given to competitive factors within and without the industry.

Answers denying the Commission's allegations also were filed by the Anaconda Copper Mining Company and the International Smelting and Refining Company.

Purchasing Agents

—Continued from page 3

miracle, but the old tried-and-true formula called competition. He added that purchasing agents were getting a taste of competition themselves these days. More than ever before the purchasing agent, Mr. Sheldon said, finds himself in competition with other purchasing agents and, he added, this forces him to be a salesman.

The purchasing agent must sell his company and the advantages of doing business with it to the man on the salesmen's side of his desk, Mr. Sheldon said. He must make it attractive for salesmen to do business with his company, Mr. Sheldon explained by pointing out that salesmanship is an art which some purchasing agents have been all too prone to neglect in the past.

Coal Chemicals

In a session of the chemical and allied products-buyers' group of the association, H. V. Lauer, field supervisor of raw materials for Carnegie-Illinois Steel Corporation, told of the growing interest in the recovery of new chemical compounds from coal.

Carbazole was used by Mr. Lauer as an example of one of these recent developments. He said that investigators in Germany found it was used there during the war to produce a new type of high-melting resin, and although production was not large, it indicates that tar chemicals other than phenol and naphthalene have possibilities in this field.

U.S. Import Needs

Pointing out that American import needs are of record proportions, H. N. McGill, president of the McGill Commodity Service, Auburndale, Mass., said the situation could be viewed with optimism, except for two retarding factors:—

Foreign nations, in Europe in particular, are in urgent need of goods of all types for rehabilitation purposes, and second, foreign consuming countries are not as conscientious over the element of price as is the case at home, and naturally the tendency is to bid prices up and producers are liquidating in greater volume to the more profitable outlets.

Escalator Clauses

Fred A. Compton, of the Detroit Edison Company, warned that it is the buyers' responsibility to make certain that escalator clauses are equitable, and pass on to the puchasing company only the increase in cost which actually takes place.

In establishing an escalator clause the buyer generally has two alternatives, Mr. Compton said. One is to accept the vendor's offer as is, he said, and the other is to counter with his own clause. Acceptance of the vendor's clause is satisfactory for the general run of orders when dealing with a reputable vendor, he said, but it is not satisfactory for the buyer's protection for large and important orders. In this case it is the buyer's responsibility to offer a mutually satisfactory escalator clause, he added.

Clifton E. Mack, director of procurement for the Treasury Department, said that fighting the ever-increasing use of escalator clauses is resisting inflation. The speaker outlined these basic principles which should be followed by buyers in working with escalator clauses:—

To adequately cope with escalation quotations, buyers must know values and should develop knowledge of price techniques. They must exhaust all competitive sources.

They should obtain the cooperation of those who determine requirements so that every effort can be made to avoid unwarranted extended deliveries.

If escalation is unavoidable, be sure the clause gives fair consideration to the buyer—that it provides increased prices for actual increased costs only, and does not include increases for general overhead; that an option for cancellation is included depending upon the urgency of the need; that only proportionate increases are permitted when escalation is tied to a price ceiling, and that provision is also made for price decreases in long-term contracts.

Labor Problem

The labor situation was termed the most serious condition facing the productive program today by Roy C. Haberkern, vice-president of R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Many unions are demanding that their wage contracts be abrogated if controls are relaxed and prices advanced, he said, and the result will be the slowing of production, delay in output of goods to fill the urgent needs, higher costs and higher prices.

Inventories

Mr. Haberkern warned purchasing agents to watch inventories closely because of changing costs in both material and labor. The present splurge of buying cannot last forever, he said. Increased prices will provoke "buyers' strikes," concealed inventories will appear, and you cannot afford to be caught at a price level that will prevent your participation in the inevitable competition that will follow.

A. W. Zelomek, economist for the International Statistical Bureau, New York, stated that every inflation is followed by a deflation and the present case will prove to be no exception. Mr. Zelomek's address was read by Dr. Robert C. Shoof, vice-president of the bureau.

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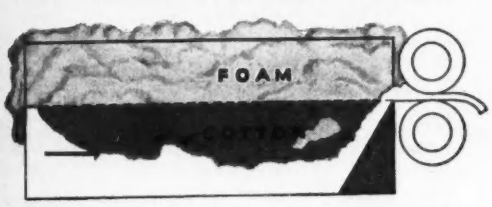
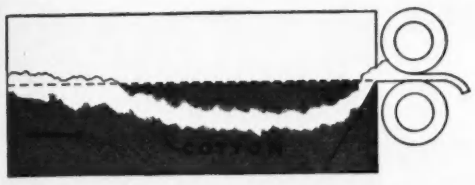


Uncontrolled penetration . . . usually accompanied by wasteful foaming . . . may cause cotton to sink to bottom of tank thereby impeding processing.



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U.S. Revenue Returns Show Decrease

Bureau of Internal Revenue, Washington, reports taxes collected for the month of April, 1946, compared with April, 1945, were as follows:—

	1946	1945
Coconut, etc., oils, processed	$376,568.21	$480,569.96
Distilled spirits, domestic, excise tax	137,150,805.39	93,473,051.64
Distilled spirits, imported, excise tax	19,045,104.06	19,069,900.73
Gasoline	32,907,105.29	29,474,531.59
Lubricating oils	5,584,894.60	7,468,777.47
Narcotics, including special taxes	23,963.36	52,868.96
Oleomargarin special taxes	295,503.44	369,149.34
Totals	2,415,838,858.18	3,031,134,816.33

Amer. Oil to Hold Training Courses for Returning Vets

The American Oil Company has initiated a series of training clinics for its returning war veterans. Employees in territories from Maine to Florida will go to Baltimore in groups of forty to attend three-day educational and sales training courses.

API Names Gunn Refining Div. Head

William T. Gunn, of Yonkers, N. Y., has been appointed director of the division of refining of the American Petroleum Institute. He succeeds Dr. R. P. Anderson, retired.

Shell Advances Calderwood

A. H. Calderwood, former manager of the Shell Oil Company's refinery at Wilmington, Cal., has been appointed manager of the manufacturing department in the company's San Francisco head office.

Trade Briefs

William Bjork, salesmanager for L. Sonneborn, Inc., New York, has been elected a director of H. Clay Grover, Inc., also New York.

California Standard Oil Company has appointed B. W. Pickard manager of the gasoline and fuel oil division of its marketing department.

Socony-Vacuum Oil Company, New York, has named Edwin J. Glocke, formerly general auditor, to the post of assistant comptroller.

Sinclair Refining Company, New York, has appointed Harry Campbell manager of the company's marine department, succeeding J. G. Johnson, retired.

Socony-Vacuum Oil Company, New York, is marketing a transparent waterproofing wax emulsion which corrects leakage in outside walls of brick and stucco buildings.

Socony-Vacuum Oil Company, New York, has appointed Herbert Willetts manager of the central marketing region. J. M. Martin succeeds him as manager of the eastern marketing region.

Socony-Vacuum Names Market Research Head

Richard W. Reinhart, formerly assistant in charge of the eastern marketing division's sales research department for the Socony-Vacuum Oil Company, New York, has been named manager of the companys national market research department.

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Petroleum Derivatives

Greatest activity in the petroleum industry continues to be recorded in its long and constantly-expanding list of petroleum chemicals, although a renewed heavy buying movement is also being noted in gasoline for tractor propulsion in the agricultural regions.

Settlement of the railroad strike and lifting of embargoes and other controls on the movement of rail-borne freight has been of benefit to the petroleum industry only to the extent that it has facilitated a resumption of shipments of gasoline, kerosene and fuel oil in the Midwest and Southwest marketing areas, which are dependent upon conveyance of these products by rail. On the Atlantic seaboard and Pacific coast, virtually all the important petroleum derivatives, as well as crude oil, are supplied by tankers on sea routes from the Gulf coast and by barges plying inland waterways or pipelines. In this connection it is noteworthy that transportation charges on the movement of petroleum products in barges over various inland waterways have been freed from price control as of May 29.

Hence these largest of all the consuming sections of the country have had little use for rail conveyances by tankcars and during the railroad traffic stoppage even the Midwest and Southwest were inconvenienced to only a slight extent, as recourse was quickly had to movements by tank-wagons, whenever and wherever available in sufficient numbers.

The work-stoppage in the coal mines, however, has had some annoying repercussions in the petroleum chemicals department of the industry by tending to retard and limit purchasing of some of the solvents needed by the makers of synthetic resins and plastic materials, inasmuch as these interests have thus been cut off from their sources of supply in many of the soft-coal byproducts and hence cannot keep their production of their finished materials going at the high levels called for in their 1946-1947 schedules. Nevertheless a sizable volume of sales is still currently noted in petroleum butyl alcohols, ketones and other solvents.

Petroleum Chemicals

Isobutylene—Still being bought extensively by manufacturers of butyl rubber products.

Isopropyl Alcohol—Altnough many makers of phenol compound resins have felt impelled to cut down on their purchases of this petroleum derivative, because of the scarcity of other ingredients, resulting from the continued stoppage of coal mining, producers of other lines of synthetic resins are continuing to make large purchases.

Xylol — Despite the heavy drain upon their productive resources resulting from the turning of many former users of coaltar xylol to the petroleum type, producers of the latter are still able to meet all requirements.

Solvents and Diluents

Aromatic Solvents—Continue to be taken up in sizable quantities, especially by the processors of synthetic resins who are well supplied with the petroleum xylol types and overplentifully with the toluol types.

Cleaners' Naphtha — Still being bought in seasonally large amounts on civilian account and in only small quantities on military account.

Lacquer Diluent—Keeps moving in sizable volume.

Mineral Spirit — Buying interest well maintained in this material.

Stoddard Solvent—No letup in the seasonally extensive buying movement noted in this solvent.

V. M. & P. Naphtha — Moderately active buying continues to be reported in this material.

Markets at Other Centers

Chicago, May 29. — Strength pervades all sections of the petroleum solvents and diluents market in this area. Orders are not only plentiful but are finding suppliers unable to accept them, because of scarcity, and the suppliers themselves are trying to buy.

Market Trends

Prices Advanced

Crude petroleum, from stripper wells in eight pools, in five states, 1c. to 35c. per bbl.
Gasoline, Gulf coast and Midwest, regular grades, ½c. per gal.

Prices Reduced

None

(For Current Prices see page 9)

Lighter Fractions

Butane—Despite a diminution in the takings by fortifiers of high-octane gasoline and some of the synthetic rubber makers, the requirements of other large consumers, notably those needing it for the generation of intense heat in industrial processes and families employing it for home-cooking, are running sufficiently high to absorb the current production of this liquefied petroleum gas.

Heptane—Being purchased in only small amounts.

Hexane—Continues in light inquiry.

Octanes—Buying interest in these gases, while still existent, is now at low ebb.

Pentanes—Still moving in fair-sized lots into civilian channels.

Propane—Governed by conditions almost exactly the same as those prevailing in the market for butane.

Petrolatums and Waxes

Microcrystalline Waxes — Demand continues to outstrip supply with the result that stocks are held down to small proportions.

Paraffin—Export requirements continue running high and, together with domestic needs, the takings on this account are keeping stocks of crude scale and refined grades scanty. Some refined grades are unobtainable.

Petrolatums—Both domestic and export takings continue heavy. And the supply position is growing tighter daily, with producers in many instances far behind in their deliveries. Prices of U.S.P., veterinarian and technical grades are strongly held by all suppliers.

White Mineral Oils — Continue in keen demand with prices well maintained at the recently advanced levels.

Fuels and Lubricants

Crude Petroleum—In an effort to swell production of crude oil in the most prolific of the United States oilfields, the Texas Railroad Commission has issued a statewide proration order calculated to result in a daily production in that state of 2,293,092 barrels during June, the highest output of crude oil ever granted by that state. The highest previous allowable quota ever set by this commission was the one granted last July for 2,270,000 barrels.

OPA has announced authorization for markups in ceiling prices for crude oil from stripper wells in eight pools, located in California, Kansas, Michigan, Oklahoma and Texas.

Gasoline—Farming communities in the Midwest and Southwest are calling for and obtaining a hugely increasing volume of tractor fuel for use in operating tractors and other off-the-highway agricultural equipment. There is also a mounting demand for the regular grades of gasoline for automotive vehicle fuel. As a result of the hugely increased takings, prices of the regular grades have been advanced an eighth of a cent per gallon, making the revised quotations in the Midwest:—6¾c. for 78-80 octane, 5¾c. for regular and 5¼c. for 60 octane and below.

The forecast recently made by the Civilian Production Administration, of an apparently inevitable further reduction in the available supply of tetraethyl lead for gasoline refining and of a compulsory lowering of the octane rating of premium gasoline from 80 to 78 points, is proving somewhat distressing for the independent makers of high-powered gasoline who are not provided with catalytic processes or other extra-potent cracking and fractionating equipment, wherewith to raise the octane standard of their gasoline without recourse to the tetraethyl fluid.

For Late Market Developments, See Page 4

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Agricultural Chemicals

Passing of the most active shipping period of the fertilizer season revealed a large amount of orders unsatisfied with inventories of the major agricultural chemicals either exhausted or at the lowest levels of the year. In looking ahead the Food and Agriculture Organization of the United Nations states that preliminary estimates of chemical fertilizers which may be available for 1947 harvests indicate there may be fairly substantial increases in nitrogen, phosphoric acid and potash, compared with that used during the current year, but there will still be a deficiency of some 30 percent in supplies of nitrogen and soluble phosphates and about 5 percent in potash, judging from the requests of countries now before the Committee on Fertilizers.

Aside from potash, present production has been cutback in nitrate of soda and sulphate of ammonia. Superphosphate, while averaging a higher output for the year, has not been sufficient to meet consuming demand readily. These irregularities may be traced down to insufficient soft coal resulting from labor difficulties. Packing-house byproducts have been practically out of the fertilizer market for several weeks. Castor pomace has only been available to holders of contracts and this applies also to nitrogenous material. At present, companies supplying fish scrap on Chesapeake Bay are not eager to take on more "when and if" business. Reports from Florida state that the menhaden catch to date is only about one-third of that for the corresponding period a year ago.

Supply prospects for the insecticides and fungicides have continued uncertain for many items and will remain so until permanent stocks of soft coal are restored. The coaltar varieties are short at the present time.

Nitrogenates

Ammonia Sulphate—Shipments continued considerably below requirements, with no apparent improvement in production. Future contract prices have not been announced and the outlook remains uncertain, with supplies depending upon the production of steel.

Bone Meal — Supply conditions showed no sign of improvement. Cutback production has left the market short of stocks and any odd lots available have been purchased for feeding use.

Castor Pomace—No new transactions were reported and the only movement was against existing contracts. Labor difficulties have seriously affected output and contract shipments are said to be behind schedule.

Soda Nitrate—Buying interest continued active and unsatisfied. Material has been moved as rapidly as available but the tonnage has not been sufficient to even off demand.

Phosphates

Phosphate Rock—Acidulators have continued to press for shipments of phosphate rock to meet the unusually heavy demand for superphosphate. While concentrated efforts have been made to meet requirements, present facilities have not always been able to satisfy requirements without some delay. Shipments, however, have averaged heavy and the absence of reserve material above ground has kept production of high grade rock constantly under pressure.

Superphosphate—Tight market conditions resulting from the maintenance of steady demand seems to have delayed the announcement of contract prices for 1946-1947. Baltimore reported buying interest considerably beyond the current supply, with some tension in sulphuric acid, while the call from the Middle West has kept considerably above seasonal expectations. The local market continued in an exceedingly tight position.

Potashes

Deliveries of 464,598 tons of potash containing 259,639 tons of muriate K_2O during the first quarter of 1946 were in line with the same record breaking program noted during the war period. Deliveries for agricultural purpose amounted to the equivalent of 238,378 tons of K_2O, compared with 268,745 tons for the corresponding period in 1945, according to the American Potash Institute. Deliveries for chemical requirements were equivalent to 16,282 tons of K_2O, a reduction of 33⅓ percent from the first quarter a year ago. Current supply position has remained definitely tight with no apparent relaxation in demand.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Insecticides

While some uncertainty has been removed from the transportation problem, the coal shortage and labor difficulties are seriously interfering with the maintenance of insecticide and fugicide production. The fuel supply has created a lot of concern and unless available will suspend output at many factories where soft coal supplies are reaching bottom. The time has arrived for producing and shipping the bulk of fugicides and insecticides and time lost now cannot be made up. Fully 75 percent of these materials are shipped between February and June under normal conditions.

All agricultural chemicals derived from a coaltar base have remained exceedingly tight. Signs seemed a little more hopeful for a settlement of the labor dispute at the two major copper sulphate plants. DDT has been heavily sold ahead and production cannot be increased unless there is easement in the coal supply. Spray lime, used both by manufacturer and grower, is scarce in some consuming areas and its production requires much coal. Cranberry growers, so far, have been able to secure enough cryolite to treat their plants and the supply position is described as favorable. The wettable spreaders appear to have satisfactory inventories and this is mostly true also with the seed protectants. Chlorate of soda, one of the major weed-killers has tightened appreciably and deliveries have fallen behind contract schedules. Stocks of all zinc compounds have steadily declined under a cutback in production.

Approximately 650,000 yards of surplus cotton fabric held by the War Assets Administration have been set aside for manufacture into fumigating tents for citrus fruit trees, the Civilian Production Administration has announced. The fabric is intended primarily for use in California orange and lemon groves where fumigation against a scale organism is required every two years. During the war replacement and repair of fumigation tents was practically impossible and present production of the right kinds of cloth is at very low levels. Fulfillment of all immediate requirements is expected as a result of this action.

Department of Agriculture has purchased 8,000 pounds of nicotine sulphate testing 40 percent at 81c. a pound, in tins, f.o.b. Richmond, Virginia.

Sulphur and Pyrites

Sulphur has maintained a favorable supply situation and is rather immune to the uncertainty prevailing in coal. Agricultural and industrial demands have been satisfied promptly with sufficient material for export. It was stated that the tonnage moved since the beginning of the year has been of satisfactory dimensions and has compared favorably with seasonal expectations. Pyrites has not uncovered any unusual new features. There seemed to be enough demand to absorb any Spanish or Canadian material available at former price levels.

For Late Market Developments. See Page 4

Textile and Leather Chemicals

Higher price ceilings on tapioca flour were expected to be announced shortly by OPA, it was reported in trade circles early in the week. Consuming demand for new crop flour has been urgent but with prices at Brazilian points maintained at well above import ceilings, trading has been practically at standstill of late. Foreign buyers, it was pointed out have been in the market and have booked business at prices higher than American ceilings. Potato starch mills were compelled to shut down owing to lack of potatoes. Tight supply conditions continue to dominate corn dextrins and starches. Production was absorbed against former orders and demand exceeded the supply.

Tanners continued to limit inquiry to quebracho extract and wattle bark and extract which were reported difficult to obtain for shipment. Good sized quantities of these materials arrived last week for delivery on contracts, booked some time ago. Offerings of wattle bark and extract were scarce and little improvement was looked for until late August or September. Resale lots of myrobalans on the spot which recently depressed the market, were reported sold at less than quotations asked for shipment from abroad.

Manufacturers' ceilings for fabrics coated with rubber, pyroxylin or oil, except coated window shade cloth, have been increased approximately 13½ percent, OPA announced effective May 24. OPA said that price relief for manufacturers of coated window shade cloth is still under consideration.

Estimated shoe production for April hit a record high of 47,000,000 pairs, more than 10,000,000 higher than a year ago, according to the Tanners' Council of America. May figures are expected to be at least as high.

Chemicals

Alumina Formate—Consumers absorbed moderate-sized quantities from prompt delivery. Market was steady at current levels.

Bichromates—Production was reported at 7,777 tons in March compared with 7,134 tons during February, it was announced by the Bureau of Census. An urgent call for requirements against current contracts was taking the bulk of the production. Little resale material was reported available and export business was restricted. Market continued firm at ceilings.

Potash, Prussiate — Steady demand continued to keep supplies at low levels. Deliveries were reported delayed by the coal shortage.

Soda, Acetate—Output has been affected by the coal shortage, while demand was excellent for prompt requirements. Quotations were well held at former levels.

Soda, Hydrosulphite—Supply position has appreciably tightened under an urgent demand from consumers for prompt delivery. Prices were unchanged.

Sulphonated Oils — Sulphonators continued to limit sales for prompt requirements. Supplies were light owing to the tight supply conditions in basic oils. Prices were firm.

Dyestuffs

Annatto—Business was confined to small lots for immediate needs. Arrivals were reported at 50 bags last week.

Cochineal — Trading was quiet. Market was steady. Supplies were limited on the spot and well maintained at former quotations.

Madder — Small lot buying was noted in the spot market. Supplies were adequate to cover current demand.

Sizing Materials

Albumen, Egg—Stocks were not liberal and firmly held at ceilings. Inquiry was active, though volume of sales was moderate at ceilings. Sales of 5,743 pounds of inedible dried egg sweepings and screenings at 3½c. per pound, in barrels, f.o.b. were made by CCC on May 10.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.4	288.4	288.5	279.7

(For Current Prices see page 9)

Dextrin, Corn—The trade awaited the announcement of the adjustment of price ceilings by OPA, and continued to deliver supplies at current levels until new prices were forthcoming. An active demand readily absorbed the output against orders.

Egg, Yolk—Inquiry continued keen, though trading was restricted by the scarcity of stocks. Business was light and transacted at ceilings.

Sago Flour—Limited quantities of sago flour were reported booked at 7¾c. per pound, c. and f. New York for future shipment from Singapore, subject to the granting of export licenses by British officials.

Starch, Corn — Supply situation lacked improvement and the output moved promptly on previous orders. Demand was urgent and exceeded the supply. Deliveries against orders were confined to regular users and were billed at current ceilings which were expected to be shortly adjusted to new levels by OPA.

Starch, Potato—Because of the lack of potato stocks, grinders were reported to have discontinued production. Mills in Maine were said to be negotiating for the purchase of potatoes in the South. Demand was urgent, but business was nil owing to scarcity of offerings. Quotations were entirely nominal at 16c. to 16½c. per pound, New York delivery, according to quantity.

Tapioca Flour—Announcement of an advance in price ceilings on tapioca flour by OPA was expected shortly, according to reports current in the trade. Although interest has been active of late, business was hampered by the higher prices than ceilings prevailing in Brazilian markets. Arrivals of tapioca flour totaled 3,780 bags and 12,120 bags of manioc meal, last week.

Tanning Materials

Chestnut Extract—Steady demand absorbed the increased output at prevailing ceilings. Deliveries against former orders continued in active request.

Divi-Divi—Primary markets were reported steady, although trading was restricted. The major portion of this season's production was said to have been sold up, and as a result offerings for shipment were light. Prices ruled steady at former levels.

Mangrove Bark—In the absence of inquiry from tanners, business was reported dull. Offerings for shipment were reported liberal and the tone of the market was none too steady.

Myrobalans—Buying interest continued slow both for supplies on the spot and for shipment. J1, whole, was quoted for shipment at $54 per ton and J2 at $49 per ton, ex-dock, U. S. ports. Distressed lots on spot were reported disposed of, at less than asking prices for shipment.

Quebracho Extract—Tanners continued to show an active inquiry for nearby requirements. Trading was light, owing to the scarcity of offerings. Quotations were firm at ceilings. Arrivals totaled 16,330 bags for New York, 1,040 bags Philadelphia, and 1,380 bags for Norfolk, last week.

Tara Powder—This material was in good demand. Scarcity of available stocks on the spot restricted business. Offerings for shipment were well held at ceilings.

Wattle Bark—With production practically shut down for the next two months, there was little doing in this market. Consuming inquiry was quite active and prices were well maintained at ceilings. Arrivals of bark were reported at 10,840 bales and 10,315 bags of extract at New York and 15,000 bags for Baltimore, last week, for delivery on contracts booked months ago.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Inventories of all the basic coaltar chemicals have been kept at exceedingly low levels during the past week. Shortage of coal and delayed shipments have cut down production while congestion and confusion in transportation have made deliveries uncertain. Steel output at its present level is an indicator of the current coke production and is not conducive to any building up of byproduct inventories. Disposal of the government's toluol surplus has cleared away the uncertainty surrounding that material and its allocation will likely dampen any additional demand for sometime ahead. There was no improvement in coaltar xylol supplies. The shortage has tended to shift buying interest to the synthetic grade, where stocks have been sufficient to meet requirements. The critical shortage in creosote oil, cresylic acid and naphthalene showed little evidence of easement in the near future. Phenol, benzol and all the other basic products are low in supply and it was stated that even with normal stocks of coal, it will take months before the markets are brought into balance.

Under prevailing conditions, most producers are not encouraging new business. The backlog orders are said to be capable of absorbing output during the major part of 1946. Domestic requirements get priority over exports at present and consequently very little material is moving out of the country while urgent efforts have been made to induce importations from the United Kingdom.

In the intermediates, catechol and resorcinol were available without stinting demand. In other varieties, inventories were short with a limitation on any materials that could be purchased. Phthalic anhydride was definitely short of demand with production governed by the amount of crude naphthalene allocated. The condition of dyestuffs has become tighter with every effort made to meet the essential requirements of regular consumers.

Steel operations for the week beginning May 27 were scheduled at 43.6 percent of ingot capacity, compared with 49.2 percent in the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 67.7 percent. The present schedule is equivalent to the production of 768,400 net tons of steel ingots and castings, compared with 867,100 tons in the previous week and 1,666,800 tons for the corresponding week in 1945.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Basic Products

Benzol—Buying conditions did not improve last week. Supplies were limited and not available in all quarters. There was plenty of demand unsatisfied and according to trade reports, backlog orders of some dimensions have accumulated for special grades. With steel production far below normal, the supply outlook for benzol at present is uncertain.

Coaltar—Consuming demand is far in excess of the present supply. The cutback production of coke has kept the tar output at a relatively low level.

Creosote Oil—In critically short supply and without indication of nearby improvement. Demand for wood-processing has continued considerably in excess of supplies and the market position seems to be getting tighter with each successive week. Attempts to bring in material from the United Kingdom have not met with much success to date.

Cresylic Acid—Limited production is tending to curtail output of synthetic resins and tricresylphosphate and is seriously affecting other consuming industries. Absence of stocks has checked new business while production is being allocated to regular consumers. Recent importations have passed readily into consuming channels.

Naphthalene—Critically short and without chance of improvement until the coal supply again assumes a normal condition. Stringency of crude has affected producers of phthalic anhydride and other industries where this material is essential.

Phenol—Producers continued to allocate shipments in order to equalize distribution of a cutback production. Confusion in transportation has disrupted the shipping schedule but material has been moved as promptly as possible. Demand remained active, particularly for phenol-formaldehyde resins.

Pyridin—No improvement in the inventory position could be noted in the different grades of this material. The relatively small production of the refined grades and the constant drain for use in sulphapyridin and other sulpha drugs, as well as vitamins, have kept the available supply at a low level. Crude was not so active but the cutback in output has prevented any increase in inventories.

Toluol—Disposal of the government's surplus stock of toluol has relieved the market of a lot of uncertainty. The reception of heavy tenders has made it necessary to allocate the material. The distribution may have a tendency to dampen demand for toluol in the open market for sometime to come.

Xylol—An acute shortage of coaltar xylol has stimulated the demand for synthetic material. This latter grade was available but shipments faced the same transportation difficulties experienced in other products. Production of coaltar xylol will remain low until the coal situation improves.

Chicago, May 31.—Continued strength was noted in the market position of most grades of coaltar bases. The low rate of steel industry operations was still preventing buyers from obtaining quantities of material they desire. Buyers continued to show interest in benzol. Ruling prices exclusive of tax were:—Benzol, pure in tankcars, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 27c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 26c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Interrupted production has not been sufficient to maintain inventories and while stocks of cyclohexanol, cyclohexanone and other grades remained available, the stringency in essential basic products has made the immediate outlook more uncertain.

Coaltar Acids

Anthranilic — No improvement in the supply position was reported. Production has not been sufficient to build up inventories and makers have channeled shipments to regular consumers. It looked as though new business will have to wait until the market develops a more normal condition.

Broener's — Stocks continued short of demand with no improvement in sight until normal production can be restored.

Fumaric—This acid was definitely in short supply before the coal strike started and the inventory position is worse at present. Current production is being allocated to the synthetic resin and other industries where its use is essential.

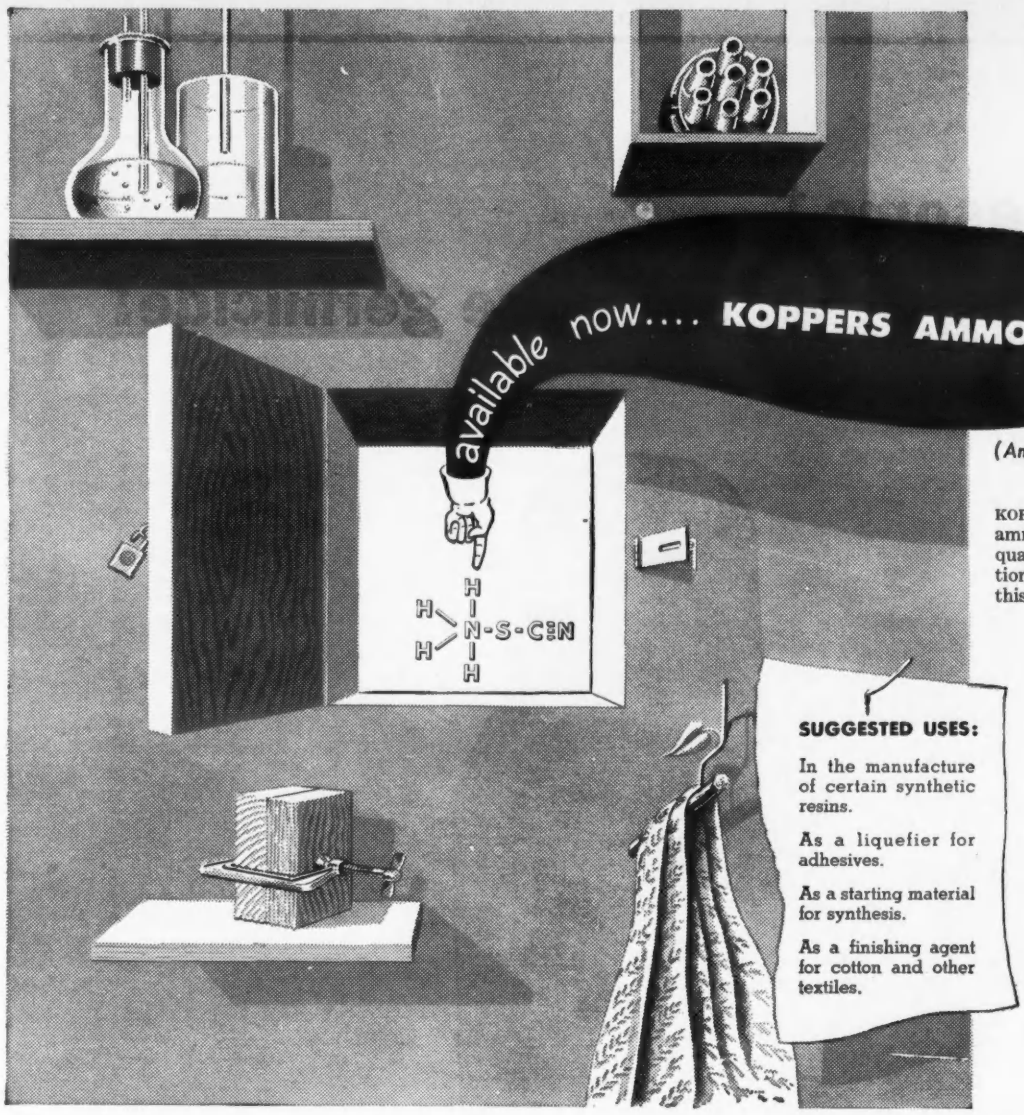
Laurent's — Limited production is said to be moving entirely to regular consumers at present.

Maleic — No inventories. Demand being fed from limited production. Demand for synthetic resins and protective coatings considerably beyond the supply limit.

Other Intermediates

Anilin—Pressure for shipments has kept inventories at a low level while the shortage of benzol has disrupted current output. Producers have found

For Late Market Developments, See Page 4



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Specific Gravity at 20°/4°C, approx.	1.310
State: Light yellow to tan crystals, pure	95 to 98%

Solubility: The crystals are highly soluble in water: One hundred grams of water will dissolve approximately 125 grams of NH_4SCN at 0°C, 160 grams at 19°C, and 200 grams at 30°C.

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Anthracene—Cutback in production has allowed stocks to shrink to a new low level. Limited shipments have been confined to makers of anthraquinone, gasoline and other regular consumers.

Catechol—So far, the inventory position of this material has been sufficient to satisfy a fairly heavy consuming demand. Prices have remained firm but unchanged.

Dimethylanilin — Inventory position has been lowered and the market has correspondingly tightened. Current difficulties in securing essential basic materials have made the restoration of supplies indefinite.

Phthalic Anhydride — Shortage of crude naphthalene has restricted production and kept the market's supply position definitely tight. The plastic industry could use a lot more material if made available. Stocks at present are regulated by the ability to secure the basic material.

Resorcinol—Stocks of this intermediate have been maintained at a level sufficient to permit prompt shipments. Demand of fairly heavy dimensions has been satisfied readily.

Coaltar Colors

Production of dyestuffs has been interrupted by the difficulty in securing sufficient stocks of essential intermediates. Supplies available have been routed to domestic consumers and the drain on inventories has tightened the market situation. Export inquiry has increased, particularly from buyers who formerly depended on Germany for their requirements. At present, the supply position is not capable of considering export business for anything like prompt shipment.

Filtrol Corp. Research Div. Rejoined by Asp

Stanley Asp has returned to the research division of the Filtrol Corporation, Los Angeles, after three and one-half years' service with the Army Corps of Engineers. Mr. Asp joined the technical staff of the Filtrol Corporation in 1928.

German Industrial Data Available

OPD Washington Bureau

The Office of the Publication Board of the Department of Commerce has issued for public use the following data on industrial developments in Germany during the war:

The substitution of toxic salts for coaltar creosote for preserving railroad crossties and other wood products. Reports Pb-7753 and PB-7757 are available at $3 for photostat and 50 cents for microfilm for the former, and $4 for photostat and 50 cents for microfilm for the latter.

Report PB-8275 describes several resting devices for protective coatings, including a heat breakdown apparatus for testing insulating varnish. It is available at $4 for photostat and $1 for microfilm.

Report PB-8009, the quality control of external and internal metal and wood finishes in German military planes, as compared with advances made before 1938, is available at $1 for photostat and 50 cents for microfilm.

Oxygen Plant Blasts Reduction Method Told

OPD Washington Bureau

The danger of explosions in plants producing oxygen by the liquefaction and rectification of air, may be reduced by eliminating acetylene and other hydrocarbons from the air, according to a report being issued by the office of the publication board of the Department of Commerce. The report, PB-8603, is available at $5 for photostat and $1 for microfilm.

Pitts. Plate Glass Safety Director Retires

Clarence E. Ralston has retired as safety director of the Pittsburgh Plate Glass Company, after more than 23 years association with the company's safety department.

The company also announced the appointment of Robert Wardrop as assistant manager of glass advertising and promotion. He was recently released from the Army as a Lieutenant Colonel after four years service.

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† *rigid laboratory control in your plant*

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FINE CHEMICALS

Drugs and Fine Chemicals

Strikes that stopped coal production and railroad operation had their inevitable effect on the drug and fine chemicals market. Although the striking railroad trainmen and engineers lost in their tussle with the United States government, coal miners were stubborn as ever and remained aloof from the pits now seized by government officers at the President's order.

Resumption of rail movements aided in getting delayed deliveries started toward needy consumers but the effects of the mess caused by the rail strike are not shaken off soon and the movement of drugs and fine chemicals to consumers was still subject to delays and some restrictions when the public health was not actually involved.

Menthol showed added strength and further advance in price was considered likely. Glycerin demand ran at high speed on a track badly askew because of raw material insufficiencies. Tartar products continued items of substantial strength despite the considerable improvement and increase in raw material arrivals. Alcohol consumption was placed under curtailment when the Office of War Mobilization and Reconstruction limited consumption this year to 150,000,000 gallons, including antifreeze.

Quicksilver was basically firm but occasional shading of quoted prices led to a small decline. Mercurials were definitely well stabilized. Supplies of both bismuth and cadmium metals were far below requirements and all derived products were items of strength that was added to by the good demand prevailing.

Acid, Citric—Further news regarding the recent arrival of 400 casks of Italian citric acid came to hand last week. Except, however, that the 400 casks contained 22 tons of the item. It seems highly probable that the United States was merely an intransit station between Italy and some foreign country which had been unable to obtain American citric acid at 20c. per pound and, hence, went to Italy, where a much higher price probably was paid.

Acid, Gallic—Very good demand for future deliveries was noted and the market retained all of its very firm undertones commonly present for a long period of time.

Acid, Tartaric — The market was reasonably active throughout the past week. Fair production prevailed but output is considerably behind that normal for the country. Between 1929 and 1939, the year of banner production was 1937 in which twelvemonth 10,642,838 pounds were produced in this country. In 1937, also, 327,000 pounds were imported.

Alcohol — Severe restrictions on consumption of industrial alcohol, together with an allocation of products from which alcohol is produced has been ordered by the Office of War Mobilization and Reconversion, according to reports. Under the terms of the OWMR instructions, consumption this year is limited to 150,000,000 gallons, including antifreeze. Butyl alcohol consumption is to be held to 150,000,000 pounds and the synthetic rubber industry is to get 20,000,000 gallons of ethyl alcohol. Blackstrap molasses from Cuba is to be divided thus: For ethyl alcohol, 37,000,000 gallons of blackstrap; for butyl alcohol, 18,000,000 gallons; export, mainly to Great Britain, 85,000,000 gallons; and for feed, 10,000,000 gallons of blackstrap.

Importations of Cuban alcohol are to run between 20,000,000 gallons and 30,000,000 gallons to the United States, but not for beverage use. The Department of Agriculture is to supply 8,000,000 bushels of corn to ethyl alcohol production if the government stockpile of alcohol falls below 20,000,000 gallons on September 1.

Aloe—Although some further lots of this gum came from Colombo, no important increase in available supplies resulted. The market remains exceptionally firm. Demand was good.

Aloin—Firmness in raw material keeps aloin in similar position. Adding to general strength was the exceptionally steady consuming demand that was filled with reasonable satisfaction to buyers.

Antipyrine — Demand was good. Stocks were not too ample and production cannot be truly spurred so long as trouble shall continue in the matter of raw material supplies. Prices were well stabilized.

Argols—Arrivals from Marseilles for the account of the Commodity Credit Corporation totaled 1,253 bags. The price tendency in foreign parts continued definitely in favor of buyers.

Atropine—Stocks were low and not likely to increase at an early date. Sellers continued to display great reserve in accepting new business.

Bismuth Metal and Salts — Salts were in moderately tight position because of the inability of producers to provide the needed quantities of bismuth metal. Close allocation of metal stocks aids some but what is really needed is an expansion in actual production and that seems almost impossible at this time.

Borax—Requirements pace production closely and there seems to be no surplus of borax at the mines at this time. The fertilizer industry is expected to gradually raise its at present rather limited consumption of this item.

Brucine — Actual needs are being covered very well but there is no surplus and replacement conditions appear to count much against any movement of prices in favor of consumers.

Cadmium—The closest kind of allocation of metal is necessary because nothing like the normal output at the mines is forthcoming at the present time. In fact, consumers would be even worse off were it not possible for urgent needs to be supplied from the government stockpile of metal.

Castor Oil—The record of importations of beans last week was 43,081 bags for a weight of 6,462,150 pounds. Total arrivals since January 1 reached 721,991 bags, or 108,298,650 pounds, which compares with 816,501 bags for a weight of 122,475,150 pounds during the corresponding period in 1945. Arrivals in the corresponding week a year ago were very large, totalling 95,081 bags. Oil remains in comparatively low supply and demand ran to high levels at all times last week.

Chicago, May 29.—Castor oil prices, are: — Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codliver Oil—No further arrivals of foreign oil were reported. Stocks on this market fill most demands on a fairly prompt basis although oil of exceptionally high potency is but moderately better supplied despite the generally high level of importations. Prices were firm in all markets at home and abroad.

Corn Syrup—Brazil continued to supply some of this item and 101 drums arrived here from that country last week. It was but a drop in the huge bucket of demand that can nowhere near be filled from the restricted domestic output at this time.

Cream of Tartar—Demand was very good and stocks were not ample in any direction. Nor has any more material appeared on the import lists from foreign parts.

Epsom Salt — Production in some plants has been engaged substantially ahead of the manufacturers' ability to produce. A very firm market prevails, backed by good consuming request.

Fishliver Oils—Shortage of livers exists when availability is compared with the demand for fishliver oils. Mexican exports to the United States totaled 44,706 pounds from the Ma-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Menthol, 35c. per lb.

Prices Reduced

Quicksilver, $1 per flask.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
212.9	211.8	210.4	220.5

(For Current Prices see page 9)

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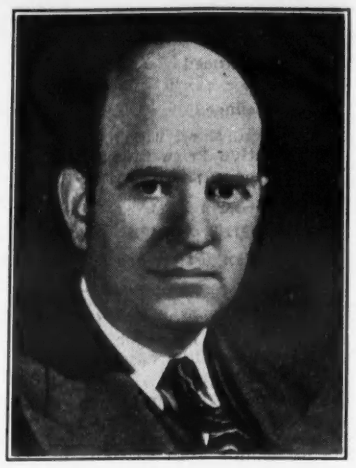

Dr. Charles Allen Thomas, technical director of the Monsanto Chemical Company, St. Louis, will deliver the commencement address to the graduating class of Washington University, June 13. He will speak on "Science and Industry."

zatlan consular district in the month of March, 1946.

San Francisco, May 29.—Demand for fishliver oils continues to exceed the supply. Little trading was noted. Prices remain steady.

Glycerin — A further importation totalling 201 drums from Brazil was reported during the past week. But it is felt that imports from now on will show a steady curtailment. At least, that is the way refiners view the situation as the result of studies of foreign supplies. Demand for glycerin continues to run very high.

Chicago, May 29. — Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars, 18½c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—The market appeared to be a deal stronger. Quarters recently naming $6 minimum actually advanced to $6.15 per pound. Other quarters naming around $5.75 were not overly anxious to accept orders for substantial business. There seems to be considerable conviction that prices in Brazil are likely to advance further.

Mercurials—The reasonably firm position of imported raw material finds reflection in well stabilized prices on all mercurials. Also, demand proves to be a supporting factor of considerable influence at this time.

Molasses—The order which prohibits processing of cane spirits in alcohol beverages from imported molasses will continue in its present form and in full force at least while the world molasses supply falls short of requirements, according to the Civilian Production Administration. The announcement to this effect was made to offset persistent rumors that the regulation L-353 will be amended to permit the use of imported cane spirits made from molasses in the production of alcoholic beverages. Such rumors, according to CPA, are completely without foundation.

Quicksilver—Although open quotations on spot were $101 per flask, conditions suggested that this figure might occasionally be shaded on firm orders. However, there is no weakness developing or actually sighted in the quicksilver market. Little is heard of the Spanish market at this time.

San Francisco, May 29.—The quicksilver market here this week was quiet. Only light trading was reported. Very little spot metal was offered. Metal was quoted generally between $103 and $105 per flask, f.o.b. San Francisco.

Quinine—Trade is cabined by the inability of normal suppliers to renew stocks to an extent anything resembling their normal holdings of the item. Restoration of that desirable situation must await resumption of exports in force from the Netherlands East Indies.

Saccharin—Hardly a week goes by without an export inquiry or three appearing in the local market and, usually, without successful issue. The supply situation is quite as tight as at any time during the war years.

Sugar—During January-March, a total of 105,607 short tons of sugar, raw value, was marketed by the mainland area, and 263,525 short tons by the continental beet area. This compared with 118,710 tons and 231,429 tons, respectively during the corresponding period in 1943. April data not available.

Liquid Soap Made From Napalm by Army

The army has discovered a process to turn surplus napalm, a gasoline thickener used in flame thrower fuel, into liquid soap, according to the Department of Commerce. It said that 120,000 pounds of napalm could make about 550,000 pounds of soap that lathered easily and had no bad odor.

Mich. Chemical Offers New Weed Killer

The Michigan Chemical Corporation, Saint Louis, Mich., has placed on the market a new formulation of 2,4-D for the destruction of lawn and field weeds.

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OPD—6-3-1946 53

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Benzene Safety Data Sheet Issued by MCA

The hazards of benzene, together with precautions to be taken against injury, are comprehensively treated in "Chemical Safety Data Sheet—Benzene," published by the Manufacturing Chemists' Association May 23. Copies may be procured at 25c. each from the association's offices here.

The benzene manual sets forth the important physical and chemical properties of this product; its hazardous characteristics, both physiological and flammable; usual shipping containers, and methods for their unloading and emptying; container storage and handling; requirements for caution labels, and suggested personal protective equipment, medical controls, and first aid.

Metal Cans Shipments Show 10 Percent Gain

Total shipments of metal cans during March, 1946, showed a 10 percent increase over the February figure, according to the Bureau of the Census. These figures are based on metal can shipments expressed in terms of the weights of steel consumed in the manufacture of the cans shipped. In the month of March metal can shipments on this basis amounted to 146,085 tons, as compared with the 133,183 tons shipped during February, and 182,994 tons shipped during February.

Cobalt Ores Imports Decline

Total imports of cobalt contained in ores, concentrates and crudes rose from 4,300,000 pounds in 1941 to 5,600,000 in 1943, but dropped back to 3,800,000 in 1944 and aggregated 3,100,000 in the first nine months of 1945, according to the Civilian Production Administration. This drop was occasioned by curtailment of imports from Canada and French Morocco and shrinkage of imports from the Belgian Congo owing to local power shortage.

Agriculture Dept. Sugar Branch Head Resigns

OPD Washington Bureau

Earl B. Wilson has resigned as director of the sugar branch of the production and marketing administration of the Department of Agriculture, effective May 31. Mr. Wilson came to the department in 1943.

Wells Succeeds Tolley In Agriculture Dept.

O. V. Wells has been appointed chief of the Bureau of Agricultural Economics of the Department of Agriculture. Mr. Wells fills the vacancy created by the resignation of Howard R. Tolley, who left to become chief economist and director of the Division of Economics and Marketing of the United Nations Food and Agricultural Organization.

Born in Slate Springs, Miss., in 1903, Mr. Wells first joined the department in January, 1929, as junior economist. Except for nine months' leave of absence to do graduate work in general economics at Harvard University in 1931-32, Mr. Wells has been continuously employed within the department. He is being promoted to the position of chief of the BAE from his present post as assistant chief in charge of price and marketing work.

FDA Gives View On Penicillin Sales

The Food and Drug Administration states that under the provisions of section 146.4 (b) (6) of the penicillin regulations, the over-counter sale without a prescription of any form of oral penicillin now being certified violates section 301 (k) of the Federal Food, Drug and Cosmetic Act.

Tungsten Consumption Report Made by CPA

Tungsten contained in new supply of ore and concentrates increased from 6,500,000 pounds in 1939 to 30,000,000 in 1943, but fell off to 28,000,000 in 1944 and to less than 14,000,000 in 1945, according to the Civilian Production Administration. Although both domestic production and imports followed similar general trends, the latter was subject to greater fluctuation, climbing from 3,000,000 in 1939 to 18,500,000 in 1943, then dropping under 8,500,000 in 1945.

Domestic production of 3,500,000 pounds in 1939 exceeded imports for that year, but fell behind imports in subsequent years; 1943 output was 11,500,000 pounds, but less than 10,000,000 were produced in 1944 and only about 5,500,000 in 1945. Domestic consumption of tungsten in ores and concentrates rose from 10,000,000 pounds in 1940 to more than 19,000,000 in 1943 and 1944; in 1945, however, consumption aggregated 14,000,000 pounds.

Int'l Minerals to Sell 145,834 Common Shares

OPD Washington Bureau

International Minerals & Chemical Corporation has filed with the Securities & Exchange Commission a registration statement covering 145,834 shares of its common stock, $5 par value, sale of which has been approved by stockholders.

Amer. Can Reconverting St. Louis Torpedo Plant

Reconversion of the American Can Company's former Amertop plant in St. Louis from torpedo production to can manufacturing is being made at a cost of $5,000,000, with present schedules calling for the start of can production by September 1. When in full operation, the new plant will replace the company's smaller factory now in another section of the city.

Baldji Enroute to Europe

Milton J. Baldji, of Eximport Associates, New York, has left for European and Middle Eastern countries to appoint overseas agents and arrange for the import of olive oil, linseed and other commodities from the Mediterranean area.

Amer. Home Foods Names Stone Sales Manager

Hamilton Stone, formerly Western division sales manager for the American Home Foods Inc., has been appointed sales manager of the company.

Hy-Pure Laboratories Sold to 235 Druggists

Sale of the controlling stock of Hy-Pure Laboratories has been sold to 235 druggists operating the Hy-Pure retail stores in the Midwest.

The FACTS Behind the Glycerine Shortage

AS everybody knows, the war and the widespread disruptions following it have caused a serious world-wide shortage of fats and oils, from which glycerine is derived.

This is the reason why enough glycerine cannot be produced at present to supply immediately all the heavy demands of the reconversion period.

Just as bread is short because of the world-wide shortage of wheat so, temporarily, the full demand for glycerine cannot be supplied because of the shortage of fats and oils.

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Upjohn Co. Advances Freeman and Canon

W. G. Freeman, Atlanta branch sales manager for the Upjohn Company, pharmaceutical manufacturer, Kalamazoo, Mich., has been named assistant general sales manager, with supervision over the three Southern branches at Atlanta, Memphis and Dallas. J. J. Canon, Kalamazoo branch sales manager, has been named assistant general sales manager, with supervision over the Kalamazoo and San Francisco branches.

W. G. Sugg, divisional sales manager at the Atlanta branch, succeeds Mr. Freeman as manager of that branch, and J. W. Schma, divisional sales manager at Kalamazoo, succeeds Mr. Canon.

Northern Drug Names Erjavec Sales Manager

Frank S. Erjavec has been named manager and director of sales of the drug department of the Northern Drug Company, Duluth, Minn. Mr. Erjavec, who has been with the company twenty-two years, also will handle the purchasing of all drugs, pharmaceuticals, proprietaries and chemicals.

Prentiss Represents Isdahl

Isdahl & Co., well-known supplier of codliver oil, operating in Bergen, Norway, since 1859, has appointed R. J. Prentiss & Co., 110 William street, New York 7, as its representative in the United States. The account will be in the particular charge of Charles Hermann, vice-president.

Corundum Supply Gained

The new supply of corundum ore, composed entirely of imports, expanded from 3,900,000 pounds in 1939 to 12,800,000 pounds in 1944, according to the Civilian Production Administration. The largest increase occurred in 1941, when imports rose to 11,700,000 pounds.

Orbis Products Moves Chicago Office

Orbis Products Corporation, pharmaceutical manufacturer, New York, has moved its Chicago office and warehouse facilities to new quarters at 230 West Huron street.

Ethyl Corp. Shifts Dees

H. Claire Dees has been appointed manager of the Seattle division of the Ethyl Corporation, New York, to succeed Harry Kuhe, who has been named manager of the Chicago division.

Magnesium division of the Dow Chemical Company, Midland, Mich., is issuing a booklet dealing with the use of magnesium anodes for cathodic protection.

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Trade Briefs

Pacific Coast Borax Company, San Pedro, Cal., is constructing a $40,000 conveyor pit in that city.

Heyden Chemical Corporation, New York, has appointed George F. Kahle as representative in the Chicago area.

Reynolds Metals Company, Richmond, Va., has named Paul H. Fox manager of aluminum sales for the central states area, with headquarters in Chicago.

DDT use in control of insects in barns and on livestock is described in a four-page leaflet being issued by the Pennsylvania Salt Manufacturing Company, Philadelphia.

Warner & Co. Adds To Institute Staff

William R. Warner & Co., pharmaceutical manufacturer, New York, has appointed Dr. Nicholas Ercoli, head of the department of pharmacology, and Dr. U. V. Solmssen, assistant to the scientific and technical director at the Warner Institute of Therapeutic Research.

Dr. Ercoli has been connected with biological research at the Roche Research Laboratories, Nutley, N. J., for the past six years. Dr. Solmssen also was formerly connected with Hoffmann-La Roche, Inc., for whom he conducted research in riboflavin, vitamins E, K and the synthetic estrogens.

Canada Removes Price Ceilings on Some Items

Canada has removed price ceilings from wax polishes; shoe polishes; stove, roofing and linoleum cements; industrial minerals, when ground; essential oils and aromatic chemicals, natural or synthetic. It has reimposed the price ceiling on drugs so as to avoid conflict with price regulations affecting certain chemicals.

Aluminum Co. to Build $30,000,000 Iowa Plant

The Aluminum Company of America plans the construction of a $30,000,000 plant near Davenport, Iowa, for the rolling of aluminum sheet and plate. The plant will have the capacity to produce more than 10,000,000 pounds of sheet and plate per month. Construction is scheduled to begin as soon as the project has been approved by the Civilian Production Administration. Completion of the plant will require approximately eighteen months.

Jayne Advances Gardner

Paul Gardner has been appointed foreign sales manager of Dr. D. Jayne & Son, Inc., proprietary manufacturer, Philadelphia.

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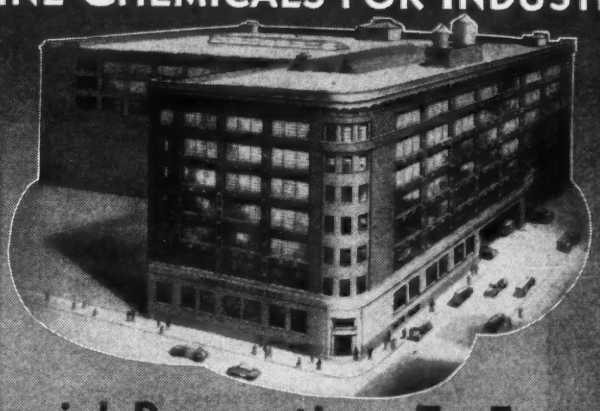

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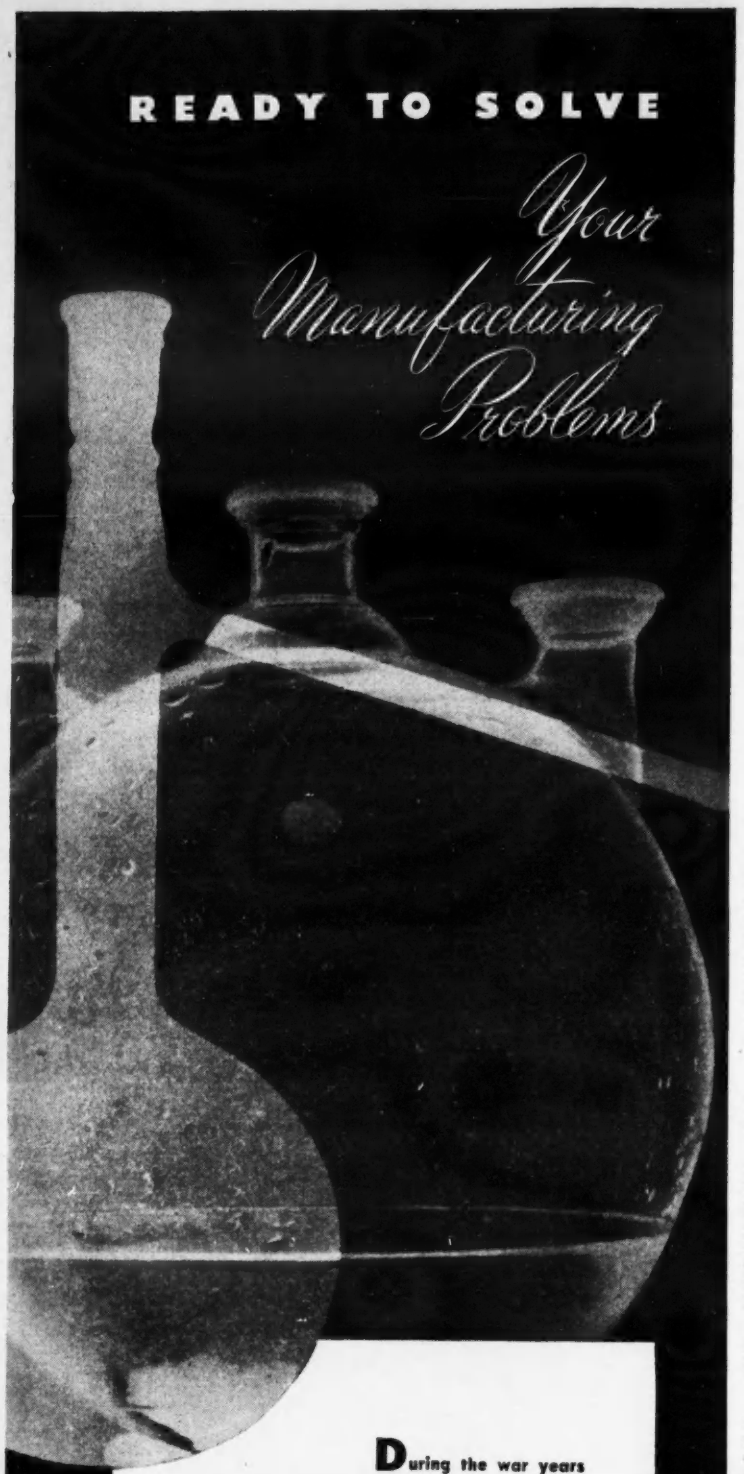

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Surplus Chemicals Offered by WAA

The Kansas City regional office of the War Assets Administration, Bannister road and Troost street, is offering a number of surplus fine chemicals, in pharmacal packages, for sale June 5 in sales No. 49257, 49258, and 49260. Among these are the following (sales numbers in parentheses):—

Copper sulphate, USP, 18,000 pounds (49260).
Hydroquinone, 160 pounds (49258).
Inosite, 1,500 grams (49260).
Lactose (bacteriologic), 175 pounds (49258).
Magnesium sulphate, USP, 50,000 pounds (49258).
Naphthylethylenediamine, 2,000 grams (49257).
Paraffin, refined, 51.2° — 52.8° m.p., cakes, 700 pounds (49260).
Paraldehyde, USP, 1,500 pounds (49260).
Phenol red, 2,500 grams (49258).
Picric acid, 4,835 grams (49257).
Potassium hydroxide, USP, pellets, 500 pounds (49260).
Potassium iodide, USP, granular, 1,500 pounds (49258).
Potassium permanganate USP, 1,000 pounds (49258); 2,400 pounds (49257).
Potassium thiocyanate, 136 pounds (49258).
Silver protein, mild, 400 pounds (49258).
Sodium borate, USP, 2,907 pounds (49257).
Sodium iodide, USP, 500 pounds (49257).
Sodium sulphate, dried, 3,000 pounds (49257).
Sodium-fluorescein, 700 ounces (49260).
Zinc chloride, USP, granular, 625 pounds (49257).

Recent offerings of surplus goods at fixed prices by the Los Angeles regional office of the War Assets Administration, 155 West Washington boulevard, Los Angeles 15, include, in list E-203, stove oil, four lots of lubricating oils, airplane hydraulic oil, several kinds of lubricating greases, some air-blown petroleum asphalt, and one lot of hydraulic fluid. In list E-204, the same office is offering shock-absorber oils, lubricating oils and greases, and cutting oils.

Particulars on these materials may be got at any WAA regional office.

Breon & Co. Fellowship Continued at Univ. of Mo.

George A. Breon & Co., manufacturing pharmaceutical chemist, Kansas City, Mo., has continued for another year the George A. Breon Company Fellowship at the University of Missouri. The fellowship is in the organic chemistry department where the synthesis of hydrogenated diethylstilbestrol compound is studied.

Stearns of Canada Adds Three to Service Staff

Three new professional service representatives have been added to the staff of Frederick Stearns & Co., of Canada, Ltd., pharmaceutical manufacturer, Windsor, Ont. D. A. Henderson will cover the western Ontario territory; Edward McNeil, the maritime provinces, and Thomas Jones, Toronto.

Bristol-Myers S. Africa Subsidiary Head in U. S.

Edward F. Johnson, managing director of Bristol-Myers (Pty.), Ltd., Johannesburg, South Africa, branch of Bristol-Myers Company, pharmaceutical manufacturer, New York, has arrived in the United States for his first trip since before the war.

Cork Imports Up

The United States is entirely dependent upon foreign sources for its cork supply. Imports of raw cork in 1944 amounted to 92,500 shorts tons, about 6,000 more than in 1942 and 27,500 more than in 1943, according to the Civilian Production Administration. In the latter half of 1944 the shipping-space situation was eased by greater availability of Portuguese vessels to transport accumulated cork stocks of Portugal. As a result, imports in the latter half of 1944 were three times as great as imports in the first half.

Theophylline Output Up

Domestic production of theophylline increased from a monthly average of 12,500 pounds in the last half of 1944 to 13,330 pounds in the first seven months of 1945, according to the Civilian Production Administration. Consumption data for the same two periods show a similar increase.

Domestic production of aminophylline averaged slightly over 9,000 pounds in the two periods. Average monthly consumption of aminophylline increased, however, and a sharp reduction in reported stocks was evident by the middle of 1945. Because of discrepancies in the reports of individual firms, changes in stocks do not correspond to differences between production and consumption.

Medi-Synth Laboratories, Los Angeles, is erecting a new laboratory in that city at a cost of $23,000.

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Recent Imports

—Continued from page 4

ERGOT—20 dms, R J Prentiss & Co

FISH BERRIES—147 bgs, E Meer & Co

FLAXSEED—6,355 tons, Commodity Credit Co

FLEASEED—30 bgs, E Meer & Co

FUEL OIL—57,042 bbls, Asiatic Petroleum Corp; 305,000 bbls, Standard Oil Co of N J

GENTIAN ROOT—147 bls, W E Martin & Co; 159 bls, S B Penick & Co; 70 bls, Kachurin Drug Co; 52 bls, J L Hopkins & Co; 113 bls, R J Prentiss & Co

GERANIUM OIL—1 dm, Chase National Bank & Trust Co

GINGER—15 bgs, Hoffman Beverage Co; 56 bgs, Knickerbocker Mills Co; 10 bgs, McKesson & Robbins; 123 bgs, Otto Gerdau Co; 180 bgs, Van Loan & Co; 65 bgs, R T French Co; 182 bgs, A G Dunn; 12 bgs, Gillespie & Co; 28 bgs, Victory Shipping Co; peel, 40 bgs, S B Penick & Co

GLANDS, PWD—12 trcs, Sam S Svendsen

GRAPEFRUIT OIL—26 dms, Mercantile Metal & Ore Corp

GRAPHITE—286 bgs, Franklin Forwarding Co; 250 bgs, Joseph Dixon Crucible Co; 750 bgs, Charles Pettinos

GYPSUM—6,128 tons, United States Gypsum Co

HENNA LEAVES—40 bls, J L Hopkins & Co; 28 bls

ILMENITE—6 bgs, Exolon Co

IPECAC ROOT—12 bgs, Merck & Co

IRISHMOSS—150 bls, R J Prentiss & Co

IRON ORE—40 bgs, A Diagonale & Son; oxide, 268 bbls, C K Williams & Co; 112 bgs, C J Osborn & Co; 112 bbls, Smith Chemical & Color Co; 156 bbls, 113 cks, Reichard Coulston, Inc; 49 bbls, H S Dorf & Co

JABORANDI LEAVES—107 bls, Inland Alkaloid Co

KOLA NUTS—30 bgs, J A Manton & Co; 50 bgs, Parke Davis & Co

KYANITE—40 tons, H H Davidson; 200 tons, Smith, Weihman Co

LARKSPUR SEED—5 bgs, R J Prentiss & Co

LAVENDER FLOWERS—45 bls, S B Penick & Co; oil, 1 dm, Corn Exchange Bank & Trust Co; 10 dms, Norda Essential Oil & Chemical Co; 22 dms, Chase National Bank & Trust Co

LEMONGRASS OIL—8 dms, Brazilian Warrent Co

LIME JUICE, SETTLED—35 cs, W Von Laer Co; oil, distilled, 50 cs, Lo Curto & Funk; 30 cs, Geo Lueders & Co; 12 cs, Citrus & Allied Essential Oil Co; 33 cs, Barclay Bank

LOCUST BEAN GUM—100 bgs, Bank of New York; 200 bgs, Brown Bros-Harriman Co

MACE—3 cs, Middleton & Co; 10 cs, I Harrison & Whitney; 25 cs, A G Dunn; 9 cs, Warfield Co; 20 cs, C T Wilson & Co; 44 cs, Catz American Co

MANGROVE BARK—4,895 bgs., Vermilye Co; 850 bgs, Soc Anonima Exportadora de Products; 1,625 bgs, Bingham & Co

MANIOC FLOUR—1,000 bgs, Morningstar, Nicol, Inc; 1,089 bgs, Fred Colins & Co; 3,334 bgs, Anasae Corp; 600 bgs, Stein, Hall & Co; meal, 5,500 bgs, Greater New York Industries, Inc

MENTHOL—45 cs, Geismar & Co

MICA—53 cs, Siegfried Cussel; 168 cs, Whittaker, Clark & Daniels; 308 cs, American Mica Works; 970 cs, Eugene Munsell & Co; 1,320 cs, Cornelis & Suhr; 4 cs, Wm Brandt & Co; 205 cs, A O Schoonmaker Insulation Co; 836 cs, J F Garneau; 265 cs, Ford Radio & Mica Co; 620 cs, Schwab Bros Corp; 850 cs, National City Bank; 22 cs, Ashville Mica Co

MOLASSES—800 bbls, Colonial Molasses Co; 325 bbls, Milliken Tomlinson Co; 100 bbls, C A Cross Co; 75 bbls, J Stromeyer Co; 58 bbls, Hanneford Bros Co

NIGER GUM—134 bgs, Chicle Development Co

NUTMEGS—54 bgs, H P Winter & Co; 27 bgs, E S Klinko; 55 bgs, Catz American Co; 164 bgs, B H Old & Co; 100 bgs, Otto Gerdau Co; 87 bgs, J B R Cage Co; 243 bgs, C T Wilson & Co; 47 bgs, Dodge & Olcott Co

NUX VOMICA—800 bgs, Volkart Bros

OITICICA OIL—432 dms, Murray Oil Products Co, Inc; 738 dms, L N Jackson & Co; 125 dms, Onyx Oil & Resin, Inc; 250 dms, Wessel, Duval & Co; 1,000 dms, Brazil Oiticica, Inc

OURICURY WAX—187 bgs, Avon Trading Co; 131 bgs, Strahl & Pitsch; 131 bgs, Wm M Allison & Co; 492 bgs, American Cyanamid & Chemical Corp; 56 bgs, Smith & Nichols; 291 bgs, Wessel, Duval & Co; 175 bgs, Cornelius Products Co; 177 bgs, W R Grace & Co; 77 bgs, J Henry Schroeder Banking Corp; 62 bgs, F B Ross Co; 56 bgs, Innis, Speiden & Co

PAPAIN—12 cs, S B Penick & Co; 7 half chests, Dodwell & Co; 44 cs

PAPRIKA—125 bgs, Griffiths Laboratories, Ltd; 200 bgs, Knickerbocker Mills Co; 100 bgs, M J Golombeck; 100 bgs, Wm Clark, Ltd; 25 bgs, Kouri Importing & Brokerage Co; 255 bgs

PARSLEY SEED—125 bgs, R J Prentiss & Co; 64 bgs, E Meer & Co; 63 bgs, Kachurin Drug Co

PATCHOULI OIL—1 cs, J Manheimer; 2 dms, Fritzsche Bros; 3 dms, Norda Essential Oil & Chemical Co

PETROLEUM, CRUDE—103,383 bbls, Gulf Oil Corp; 296,194 bbls, Standard Oil Co of N J

PIMENTO—500 bgs, Otto Gerdau Co; 85 bgs, Knickerbocker Mills Co; 206 bgs, Gillespie & Co; leaf oil, 2 dms, Geo Lueders & Co; 5 dms, Dodge & Olcott Co; 2 dms, Magnus, Mabee & Reynard

QUEBRACHO EXTRACT—10,236 bgs, Tannin Product Export Co; 6,100 bgs, International Product Corp

REFUSELAC—130 bgs, Bradshaw-Praeger & Co; 160 bgs, Paul & Stein Bros

RESIN MUCUGE—183 bgs, Herman Weber Co; vegetable, 374 cs, Otis Astoria Corp; 125 cs, Wessel, Duval & Co; 172 cs, Earle Bros; 195 cs, Littlejohn & Co; 51 cs, Herman Weber & Co; 198 cs, Chicle Development Co; 50 cs, Hecht, Levis & Kahn; 1,956 cs, H A Astlett & Co

ROSE QUARTZ—3 cs, A G Parser, Inc

ROSEWOOD OIL—4 dms, Ungerer & Co; 3 dms, Dodge & Olcott Co; 18 dms, Geo Lueders & Co; 11 dms, J R Merz; 10 dms, Norda Essential Oil & Chemical Co; 12 dms, Roberts & Co; 11 dms, Rene & Foster; 6 dms, Polak & Schwarz

SAFFRON—2 cs, Manufacturers Trust Co; 2 cs, S B Penick & Co

SARSAPARILLA ROOT—23 bls, Peek & Velsor; 8 bls, W E Martin Co

SEEDLAC—200 bgs, Mac Lac Co; 350 bgs, P N Rowe; 500 bgs, Gillespie-Rogers-Pyatt Co; 160 bgs, Schwab Bros Corp; 1,750 bgs, The Mantrose Corp; 400 bgs, Wm Diehl & Co

SENNA LEAVES—36 bls, Bank of London & South America; 22 bls, Bank of London & South America; 126 bls, R J Prentiss & Co; siftings, 20 bls, Brown Bros-Harriman Co

SHELLAC—500 bgs, Colony Import & Export Co; 150 bgs, P N Rowe; 40 cs, 450 bgs, Wm Zinsser & Co; 660 bgs, Gillespie-Rogers-Pyatt Co; 1,000 bgs, The Mantrose Corp; 250 bgs, Schwab Bros Corp; 750 bgs, Wm Zinsser & Co; 800 bgs, Wm Diehl & Co; wax, 28 bgs, Wm Zinsser & Co

SOAP ROOT—10 bgs, H S Dorf & Co

SORVA—23 cs, Chicle Development Co; 21 cs, Wessel, Duval & Co

TAMARINDS—26 cks, S B Penick & Co

TAPIOCA FLOUR—1,084 bgs, L Oppenheimer & Co; 1,500 bgs, Morningstar-Nicol, Inc; 1,200 bgs, Geismar & Co

TEASEED OIL—50 dms, E M Sargeant Pulp & Chemical Co

TEAWASTE—7,646 bgs, Maywood Chemical Works; 5,000 bgs, Citro Chemical Co

THALLIUM SULPHATE—1 cs, Transocean Commerce, Inc

THYME LEAVES—54 bls, W E Martin Co; 53 bls, Becker Mayer Seed Co

TOLU BALSAM—25 cs, Oca Medicine Co

TONKA BEANS—16 bbls, Dodge & Olcott Co

TUCUM KERNELS—6,154 bgs, Durkee Foods Corp

TUNG OIL—375 dms, United States Commercial Co; 531 dms, L Jackson & Co; 245 dms, Smith, Weihman Co

TURMERIC—165 bgs, Gillespie & Co; 37 bgs, R T French Co

UVA URSI LEAVES—626 bgs, C L Huisking & Co

VANILLA BEANS—6 cks, Dodge & Olcott Co; 3 hhd, Barclay Bank

VEGETABLE WAX—1 cs, American Express Co

WATTLE BARK—10,849 bls, Hammond & Carpenter; 5,263 bls; extract, 2,030 bgs, Tannin Product Export Co; 1,000 bgs, M S Kattenhorn & Co; 620 bgs, Victory Shipping Co; 1,016 bgs, Barkey Importng Co; 503 bgs, Littlejohn & Co; 5,150 bgs, Vermilye Co; 1,431 bgs

WHITING—8,000 bgs, Nicholas H Weitzner Co

YLANG-YLANG OIL—6 dms, J Manheimer

Baltimore Imports

BIRCHTAR OIL—8 bbls

CASEIN—4,000 bgs, Castanea Paper Co

CHROME CONCENTRATES—2,015,175 lbs; ore, 8,064,137 lbs, E J Lavino & Co

COPRA—2,000 tons, Commodity Credit Co

FUEL OIL—124,000 bbls, Standard Oil Co N J

GAS OIL—40,000 bbls, Standard Oil Co N J

LIVER TANKAGE—1,000 bgs

MICA SCRAP—500 bgs, Richmond Mica Co

NICKEL OXIDE—79,912 bgs

PETROLEUM, CRUDE—118,000 bbls, Standard Oil Co N J; 83,155 bbls, Mexican Petroleum Corp

WATTLE BARK—3,365 bls, American Dyewood Co; extract, 8,129 bgs, Bank of New York; 1,027 bgs, American Cyanamid & Chemical Corp; 1,479 bgs, Standard Bank South Africa; 1,006 bgs, Guaranty Trust Co

ZINC CONCENTRATES—14,819 tons

Boston Imports

REFUSE LAC—600 bgs, The Parks Co

SHELLAC—75 bgs, The Parks Co

Houston Imports

COTTONSEED OIL—1,020 tons, Western Cotton Oil Co

Norfolk Imports

MANGANESE ORE—100 tons, E J Lavino & Co

QUEBRACHO EXTRACT—13,878 bgs, C M Loeb-Rhoades Co

Philadelphia Imports

BONES—481 bgs, American Agricultural & Chemical Co

ARABIC GUM—1,250 bgs, Philadelphia National Bank

CARNAUBA WAX—55 bgs, T G Cooper & Co

CRESYLIC ACID—50 dms, T G Cooper & Co

CANARY SEED—848 bgs, R T French Co

GARNETLAC—50 bgs, Wm Zinsser & Co

GLYCERIN—201 dms, Catalin Corp of America

MANGANESE ORE—1,000 tons, E J Lavino & Co

QUEBRACHO EXTRACT—1,046 bgs, American Dyewood Co

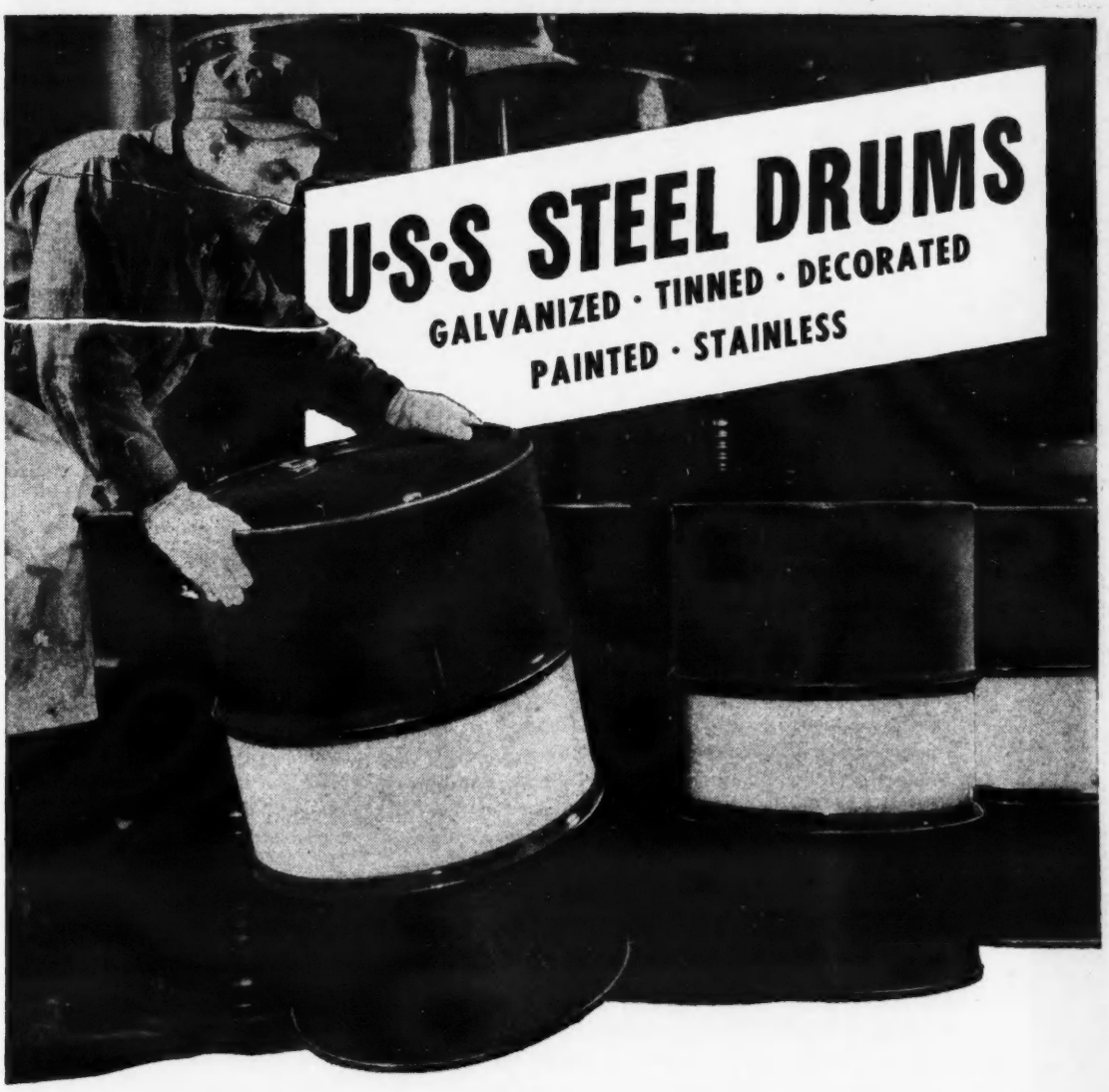
VANILLA BEANS—100 cs, M Cortizas & Co

San Francisco Imports

CINNAMON—143 bls, Willets & Co

CLOVES—1,000 bls, D Hecht & Co

NUTMEGS—45 bgs, D Hecht & Co



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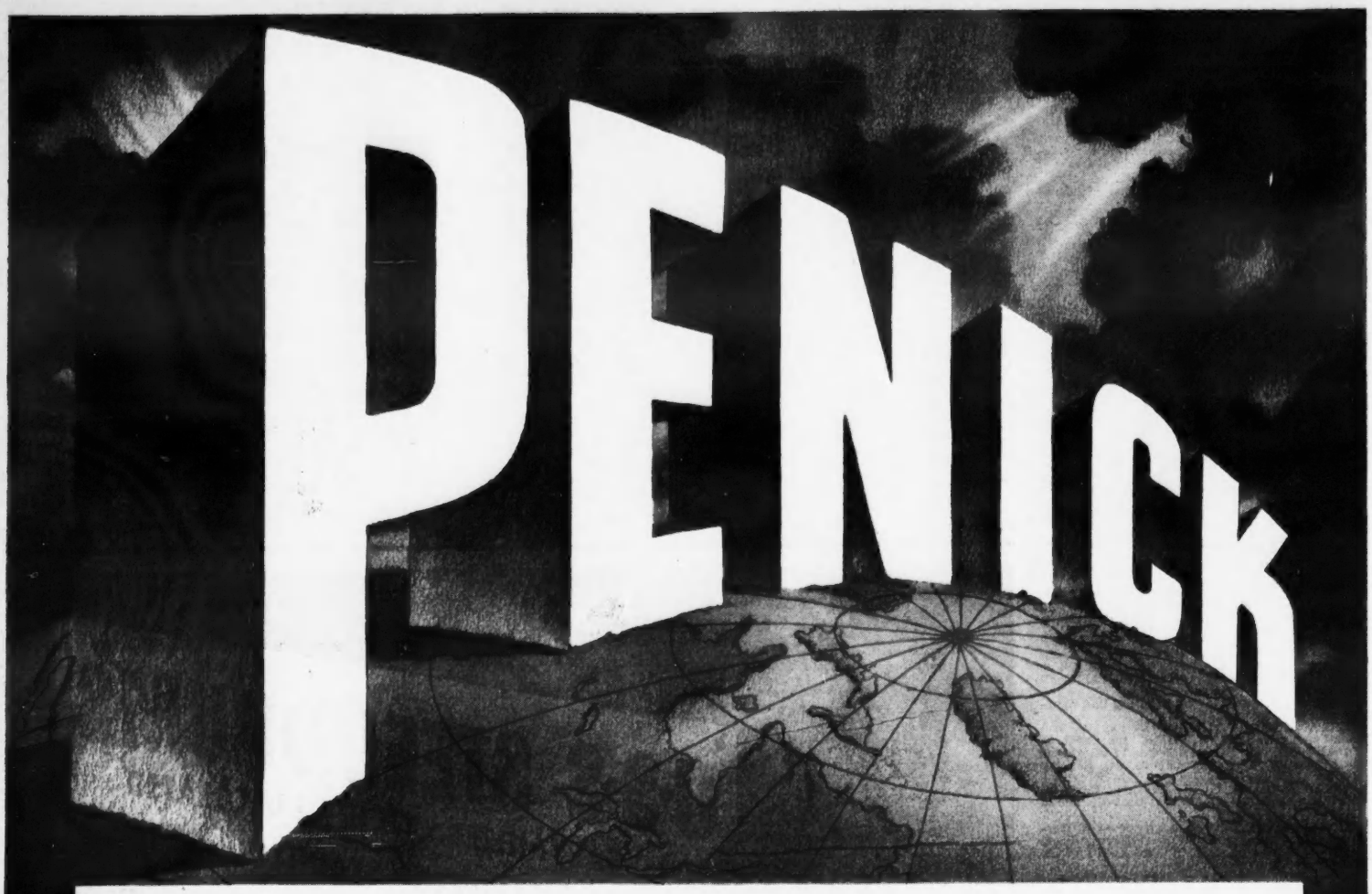

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Not only in the United States but in every country of the world where botanical drugs and medicinal chemicals are used, S. B. Penick and Company is recognized as a highly dependable source of supply.

Through us, pharmaceutical manufacturers and wholesalers everywhere, whether in China, Paraguay, Rhodesia, Afghanistan, or Luxembourg, are served with a steady flow of raw materials, drug extracts, alkaloids, resins, oleoresins, medicinal chemicals, essential oils and perfume compounds.

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Botanical Drugs, Spices, Gums

Although the Brotherhood of Railroad Trainmen and the Brotherhood of Railroad Engineers admitted publically that they had lost their case—"contest" were a better word, perhaps—with the United States government and returned to train operation late May 25 as the President was asking Congress for drastic legislation to break all strikes against the government, movement of botanical merchandise via the rail freight route increased but moderately last week.

In addition, the botanical trade breathed much more freely when the union leaders admitted defeat because resumption of train movements meant easing of freight movement embargoes.

However, June 15 lies ahead with its threat of a nation-wide strike by marine workers. If marine operations are struck, all phases of botanical drug operations will feel the impact.

Real strength governed the botanical drug market. Numerous price advances gave evidence of the sensitive situation in the market, caused mainly by excellent demand finding stocks moderate and replacement costs tending upward in many instances. Special shortage of arnica flowers, genuine Hungarian chamomile, jalap root, and burdock root was partner to the higher prices on those items.

The few declines were small in extent in areca nuts, digitalis leaves, hyssop, and linden flowers with leaves. It was exceptionally sharp in Indian valerian root, a movemenut accentuated by the reappearance of Belgian root at also a lower price than last paid.

Balsams

Fir—Demand fully supported the spot market and prices ruled firmly throughout the entire period. Special firmness ruled in Canada balsam which was not overly abundant.

Peru—Demand was rather routine throughout the short week but trade was more than sufficient to hold prices to a very steady position and to restrain competition within narrow limits.

Barks

Cascara—The peel is unlikely to be in excess of the requirements of pharmaceutical houses who buy new crop and age it themselves. Values at the source of supply show much strength at a time when in ordinary circumstances they would probably be easier.

Simarubra—Virtually absent from the market and practically nominal for a long period of time. However, that aspect of affairs has changed with the arrival of replenishment stocks and the restoration of firm offerings at 87c. to 88c. per pound.

Wild Cherry—Limited carryover makes new crop command comparatively high prices. And arrivals of replenishments at the collection depots is not all that is desired. Outlook for lower values was reported poor.

Market Trends

Prices Advanced

Drugs

Arnica flowers, 25c. per lb.
Asafetida, 20c. per lb.
Burdock root, 20c. per lb.
Chamomile flowers, Hungarian, 5c. per lb.
Jalap root, 3c. per lb.
Simarubra bark, 21c. per lb.

Other Articles

None

Prices Reduced

Drugs

Areca nuts, ½c. per lb.
Digitalis leaves, 5c. per lb.
Hyssop leaves, 1c. per lb.
Linden flowers, with leaves, 2c. per lb.
Valerian root, Belgian, 1c. per lb.
Indian, 19c. per lb.

Other Articles

Anise, star, ½c. per lb.
Caraway, Danish, 1c. per lb.
Dutch, ½c. per lb.
Poppyseed, Dutch, ½c. per lb.
Danish, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
289.3	287.8	280.5	227.5

(For Current Prices see page 9)

Imports Detained by FDA

Week Ended May 24

New York

Angelica, 32 bales: filthy.
Caraway seed, 20 bags: water-damaged.
Cassia oil, 10 drums: contains rosin and heavy metals.
Cassia, 500 bales: insect infested.
Cassia buds, 50 bags: insect infested.
Cottonseed meal with castor pomace, 1,814 bags; inadequate labeling; contains poisonous substance.
Glucose, 80 barrels, undeclared sulphur dioxide.
Fenugreek seed, 285 bags: filthy.
Oil, ocotea cymbarum, 22 drums: name of product not on drums.
Orange peel, 120 bags: insect infested; decomposed.
Saffron, 2 shipments, 4 cases: 1 filthy; incomplete labeling on tin; 1 incomplete labeling on tin.
Turmeric, 200 bags: insect infested.
Valerian root, 70 bags: excess foreign organic matter.

Philadelphia

Sage leaves, 205 bales: filthy; bags unlabeled.

Beans

Calabar—Transactions were solely on a to arrive basis but not much interest was shown in the article unobtainable now for spot delivery.

Vanilla—Most factors expect that prices for Bourbon beans will be higher. A rise in primary market quotations is virtually certain and since all price control has been removed in this country, dealers and importers in paying the coming higher shipment prices will reflect the added costs in their quotations to consumers. The entire situation in this article is tight.

Berries

Juniper—Consumption is hampered considerably by the inability of the largest consumers to get adequate supplies of alcohol with which to make gin in conjunction with juniper and other flavoring botanicals.

Raspberries—All signs point toward maintenance of prices far above normal levels for new crop goods as they become available in the domestic primary market.

Flowers

Arnica—Mighty little of this article is available in the hands of dealers and for the little that might be obtained $3.25 per pound is asked. This high price may fall when new crop becomes available in either domestic or foreign markets.

Chamomile — Genuine Hungarian chamomile from normal sources in Europe are available on spot now. The price has risen to 70c. to 75c. per pound and sellers declare values to be very firm. Roman flowers lacked further change last week.

Linden—Flowers with leaves were slightly lower once more. Prices ranged from 60c. to 65c. per pound, according to seller and quantity. Demand was fair.

Gums

Arabic—Very steady as to price and moving well into consumption. News from the source fails to suggest any early recession from the at present very firm position of replacement gum.

Asafetida—Prices have been advanced substantially in India and local quotations on lump stood at 85c. to 86c. per pound, while for powder, 94c. to 95c. was being asked.

Guaiac—Recent arrivals have replenished the market to some extent but the general undertone remains steady and prices resist attempts to bid for supplies.

Locust Bean—Steady arrivals of moderate quantities from normal replacement ports keeps a fair reserve available at very steady spot prices.

Herbs and Leaves

Digitalis—Under competition, business was booked at $1.05 per pound last week but a more generally asked price was $1.10. No oversupply of the

For Late Market Developments, See Page 4

PROMPT DELIVERY

from our New York City Mills and Warehouses

The strength of our far-flung international contacts again proves itself in the encouraging resumption of supplies of all kinds. As heretofore, it will pay you to "check with Hopkins first" whenever in the market for Foreign and Domestic Botanical Crude Drugs. Many are available for prompt shipment from our New York City Mills and Warehouses.

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CHECK YOUR NEEDS NOW

- ☐ Aloes, Socotrine and Cape
- ☐ Althea Root
- ☐ Anise Seed
- ☐ Boldo Leaves
- ☐ Buchu Leaves
- ☐ Colocynth Pulp
- ☐ Colombo Root
- ☐ Fennel Seed
- ☐ Gentian Root
- ☐ Ginger, Jamaica, Calicut, African
- ☐ Gum Arabic Amber Sorts
- ☐ Gum Karaya, Whole and Powder
- ☐ Horehound Herb
- ☐ Juniper Berries
- ☐ Kamala Powder
- ☐ Orris Root
- ☐ Quince Seed
- ☐ Rosemary Leaves
- ☐ Sage Leaves
- ☐ Senna Leaves and Pods
- ☐ Strophanthus Seed 100% Kombe
- ☐ Thyme Leaves
- ☐ Uva Ursa Leaves

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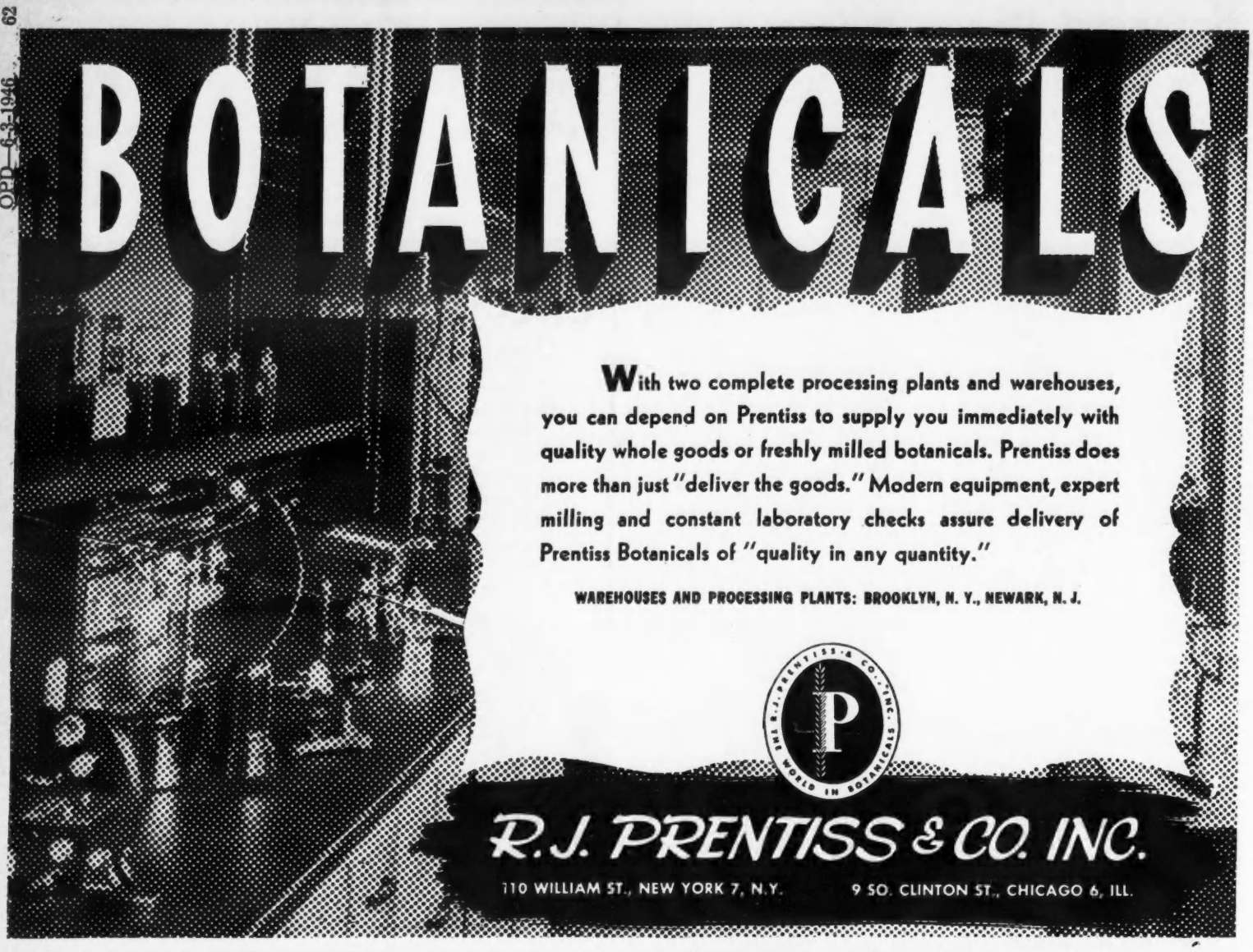
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article existed but the reserve has been increased moderately.

Hyssop—Values were shaded to 74c. per pound under competitive circumstances last week, but as a rule, quotations ranged 75c. to 78c. per pound in most quarters, according to amount and seller.

Senna—Everything was firm in the market for this article. Prices in both primary markets were maintained at the late advances and offerings of shipment goods were none too ample. Demand in local circles was reported good.

Uva Ursi—No further change since the late fractional decline in quotations has developed. Rather more active inquiry last week tended to solidify the general situation.

Miscellaneous

Areca Nuts—Although counted a generally firm article, the market was in fact slightly more competitive last week and quotations declined a fraction to 16½c. to 17c. per pound.

Cantharides—More plentiful supplies of Russian flies suggest that consumer prices are likely to show declines as reserves increase. Firm offerings of Chinese flies have been reestablished at $9.75 per pound for whole and $10.35 for powder. Russian flies last sold at $9 per pound but replacement was far below that level.

Ergot—Not especially active but still firm in price in company with less than normal supplies being the common lot of most suppliers. Replacement costs were also well maintained.

Manna—Export opportunities have presented of late and much of the merchandise arrived from Italy has been sold on that account rather than attempt getting goods released by the Food and Drug Administration.

Papain—Some large operators are still without stocks and in some respects the market assumes a nominal position at this time. Improvement in stocks is forecast, though at what cost remains to be established.

Roots

Burdock — Stocks have shrunken under expanded demand for the moderate quantities recently added to spot stocks. Prices have risen to 55c. to 60c. per pound.

Calamus — Bleached root has been restored to a firm price and offering position at 70c. to 88c. per pound depending on quality. And not a great deal is said for the "bleached" aspect of the root being offered.

Jalap—Prices continue to rise and whole root was up to 37c. to 52c. per pound according to test last week. Powder stood at 43c. to 58c., same basis.

Orris—Spot dealers can now offer Florentine root out of spot stocks. The price last week was 43c. to 44c. per pound. No Verna root is known to have arrived in quantity as yet.

Valerian—Genuine Belgian root has arrived once more from Antwerp and local dealers offered at 58c. to 59c. per pound. The more attractive figure led to a lowering of Indian root prices to the basis of 46c. to 48c. per pound as to quantity.

Seeds

Anise — Chinese star anise was shaded once again, reaching 31½c. to 32c. per pound under competition for deliveries out of the better than fair sized spot stock of the article.

Caraway—Danish seed was shaded to 27c. to 27½c. per pound and Dutch seed on spot was available at 26c. to 26½c. Future delivery Dutch seed was around 26c. per pound also.

Celery—Holding all of its sharp advance during the previous week, this article tended to move further in favor of buyers. It reflected a firm situation in India.

Mustard—News from Montana from whence comes much of the mustard seed grown in this country has been adverse. Although not generally known, Montana is a semi-arid state and the bad news has had to do with an absence of normal rainfall.

Poppy—Dutch seed was a fraction lower at 35c. to 35½c. per pound and Danish followed the movement downward by reaching 34½c. to 35c. under competition.

Spices

Cassia—Competition was keener in the market for China spice and al-

—Continued on page 78

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—but St. Paul
Settled for Wine

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St. Paul advocated a little wine for the stomach's sake but the German Pharmacopoeia of 1872 went a step further and combined fine old sherry with bitter botanicals to produce Hoffmann's Stomach Elixir, an aromatic stomachic.

℞

Orange peel	6 parts
Cassia bark	2 parts
Potash carbonate	1 part
Sherry wine	50 parts

Macerate 8 days. Express and strain. Add

Gentian extract	1 part
Wormwood extract	1 part
Buckbean leaf extract	1 part
Cascarilla extract	1 part

After repose, filter. Preserve in well-closed vessel.

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

TRADE MARK

Essential Oils, Other Aromatics

An irregular demand for essential oils, and sustained inquiry for aromatics, characterized the market for essential oils and aromatic chemicals last week. The settlement of the rail strike lifted the embargo on general merchandise shipments temporarily, and future developments were contingent on the settlement of the soft coal strike. Producers and dealers were prepared to make use of motor trucks as far as they were able to move materials. The soft coal strike has made inroads on the raw material supplies necessary for production of certain aromatic chemicals, and it will be several weeks after the strike is terminated before conditions will become normal.

The increase in the ceiling price for spearmint oil was the outstanding price development. The OPA permitted an increase to dealers of $1.50 per pound to compensate for the higher costs. For some time dealers complained of the replacement costs, which were equal to the ceiling price, and necessitated transacting business at a cost basis or a loss. At the same time the OPA allowed dealers, who have a higher "freeze" ceiling, to continue with such a ceiling price.

Natural bergamot oil continued to seek lower price levels. Offerings were made in some quarters as low as $6 per pound. Lack of buying interest, coupled with lower offerings from Italy, prompted some sellers to offer material at concessions, despite the fact current market was below the price paid for government allocated material a few months ago. Many consumers continued to use the artificial bergamot at lower price levels.

The 1945 Sicilian production of essential oils, principally lemon oil, was estimated unofficially at 200,000 kilograms. Producers were able to obtain supplies of first grade fruit at reasonable prices since there were few export outlets for the fresh fruit. The resumption of communications with Northern Italy was of great assistance to this industry.

Market Trends

Prices Advanced

Apricot kernel oil, 3c. per lb.
Bois de rose oil, 10c. per lb.
Lemongrass oil, 35c. per lb.
Methylethyl ketone, 25c. per lb.
Spearmint oil, $1.50 per lb.

Prices Reduced

Bergamot oil, nat., $1 per lb.
Cade oil, U.S.P., 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
209.8	207.6	211.0	230.1

(For Current Prices see page 9)

Essential Oils

Almond—Quotations for the bitter and sweet oils were firmly maintained, while demand and supplies were satisfactory.

Anise—Spot offerings continued to range from $2.25 to $2.75 per pound, with interest light. Current quotations are more in line with recent offerings from China.

Apricot Kernel—Prices were advanced to the basis of 55c. to 65c. per pound in line with higher replacement costs and steady demand.

Bergamot — The natural oil continued to decline and spot offerings were made at $6 to $7 per pound in most directions. Recent offerings from Italy were lower in price, while dealers holding government allocated material were forced to make concessions to meet this competition.

Bois de Rose—A slightly firmer tone was evident and the moderate quantities available on spot were made at $5.10 to $5.25 per pound. Imports aggregated 63 drums from South America last week.

Cade—Material was again offered at 75c. per pound in one quarter of the market. Interest remained narrow.

Cajeput—Situation remained status quo, with no new offerings available from primary sources, however, some old stocks were offered at nominal levels.

Caraway — Buying was only fair, while stocks of stock oil were adequate to take care of consumers' nearby requirements. Prices ranged from $8 to $8.75 per pound.

Cassia — Price situation continued unsettled, with some sellers inclined to cut spot quotations in order to stimulate interest. Most transactions ranged from $5.50 to $6.50 per pound.

Cedarwood—A tight spot position characterized the market, with offerings from the South limited by lower production. Prices were very firm.

Cinnamon — Developments of importance were lacking in the market for the bark and leaf oils. Demand was routine and prices failed to change.

Citronella—A request that Ceylon oil be relieved from duty and admitted in the United States as citronella was denied pending the litigation before the appelate court by the Treasury Department.

Clove—Demand and supplies held at satisfactory levels to keep the market in a firm position.

Dillweed—Transactions were along routine lines, while prices underwent no change.

Eucalyptus—Position of market was improved by recent imports, but additional supplies were needed to cope with all inquiries reaching the market.

Geranium—Bourbon continued to be offered in limited quantities, at prices ranging from $17 to $22 per pound; Algerian was offered in one quarter at $19 per pound.

Guaiacwood—Spot prices appeared stabilized at current levels, with the market well supplied on spot, and demand only moderate.

Lavandin—New price developments were absent in the market last week, while buying interest failed to expand materially.

Lavender—Offerings of all grades of French oils were moderate, and inquiries only fair. Prices were steady to firm. Spanish spike remained in fair supply. Imports totaled 43 drums from France last week.

Lemon—Market retained its favorable position as supplies improved with the release of government surplus stocks and resumption of imports from Italy.

Lemongrass — Spot prices were higher at $3.50 to $4 per pound. Offerings were not plentiful on spot and the disposition was to await new crop developments at primary sources. Imports amounted to 8 drums last week.

Neroli—Prices for the French and Haitian held at previously established levels. Business was confined to small lots.

Nutmeg—Supply situation was expected to ease with the lifting of price ceilings on raw materials. Prices unchanged and firm.

Orange—A firm price tone continued to remain in evidence. Stocks were not too large, although consumers' interest was tempered by the sugar shortage.

Pepperm'nt—Prices were well sustained for the natural and redistilled grades. Domestic and export inquiries held at satisfactory levels.

Petitgrain—Limited spot offerings were made at $4 to $4.35 per pound, with replacement costs from South America retained at high levels.

Rose—Small lots made up the bulk of the business last week. A wide disparity in prices prevailed, depending on price ceilings and quality of material offered.

Sandalwood—Additional supplies of raw material will be needed to provide for the needs of all consumers. Prices were firm at the higher ceiling levels recorded recently.

Spearmint—Ceiling prices were advanced to the basis of $5.50 per pound by OPA for dealers. Those dealers who have a higher "freeze" ceiling are allowed to continue with such a ceiling price.

Vetiver—Bourbon remained in limited supply and spot quotations ranged from $37 to $42 per pound.

Wormwood—There was no clarification as yet regarding ceiling prices; farmers asking prices were entirely out of line with current ceilings.

Aromatic Chemicals

Amyl Salicylate—Current position of market satisfactory, but raw mate-

For Late Market Developments, See Page 4

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GIVAUDAN NEWS DIGEST

GERMS AND INSECTS are due for a rough going-over when the National Association of Insecticide and Disinfectant Manufacturers convenes for its 32nd annual meeting at the French Lick Springs Hotel, French Lick, Indiana on June 17, 18 and 19.

★ ★ ★

SPEAKING OF DISINFECTANTS, those of our readers who have not yet done so will want to obtain a pamphlet published by Givaudan, *New Disinfectants and a Critique of Methods of Testing Phenol Coefficients,* by Dr. Arthur R. Cade. This brochure describes the value of G-4, the well-known mildew-proofing agent, and G-11, as general disinfectants. The study revealed that G-11 will actively attack gram-positive organisms such as *Staphylococcus aureus,* while G-4 proved to be more effective against *Eberthella typhi* and other gram-negative organisms. Copies of this brochure are available upon request.

★ ★ ★

YOUR INSECTICIDES, TOO, perhaps can stand a new going-over to eliminate disagreeable, sales-detracting odors. Send us a sample of your unperfumed insecticide solution or information about the solvents used, and we shall be glad to recommend the correct odor neutralizer to enhance the sales appeal of your product.

★ ★ ★

A GALAXY OF BATTLE STARS, won by G-D employees in every theatre of

war, have now been tucked away in trinket boxes and attic trunks by the 83 veterans who are back on the job. Of these, 61 were Givaudan men (and women) before entering the service. Eighteen more are still in service, while three were killed in action.

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rial situation factor in restricting new production. Prices ruled firm.

Benzophenone — Shipments moved at a steady pace, and market was in a firm position.

Cetyl Alcohol—Sellers were not able to fill all orders promptly. Prices were unchanged.

Coumarin—Raw material situation was a factor in retarding production and shipments were sluggish in most directions.

Eugenol—Prices were fully maintained at prevailing levels. Demand steady, and shipments fairly well sustained.

Indol—Stocks were adequate to meet all inquiries reaching the market. Prices lacked any change.

Ionones—A strong price tone characterized the market as raw material costs continued high. Demand steady.

Methyl Naphthyl Ketone—Prices advanced to the basis of $3.75 per pound. Offerings were limited in most directions.

Musk—Ambrette and ketone continued on an allocated basis with xylol available in moderate quantities. Prices rule firm.

Phenyl Ethyl Alcohol—Demand exceeded supplies and shipments were running behind production.

Chemists' Club Awards 4 Honorary Memberships

Honorary memberships in the Chemists' Club, New York, the first to be awarded since 1939, have been granted to William Cullen, a director of Imperial Chemical Industries, Ltd.; Sir Robert Robinson, Waynflete professor of chemistry at Oxford University; Maximilian Toch, president and chief chemist of Toch Brothers, Inc., and chairman of the board of the Standard Varnish Works, and Willis R. Whitney, formerly vice-president and director of research for the General Electric Company.

The honorary membership is given to outstanding individuals in the chemical field. Only thirty-three such awards have been given since the practice was instituted in 1909.

Chromite Output Data Reported

During the war years domestic consumption of chromite rose from 500,000 long tons in 1940 to 860,000 in 1943, but then dropped to 760,000 in 1944, according to the Civilian Production Administration.

Consumption in the first 10 months of 1945 amounted to a little over 600,000 tons. With domestic production during this period ranging from 3,000 tons in 1940 to 143,000 in 1943 and only 41,000 in 1944, domestic requirements were met substantially from imported ores and concentrates.

Imports rose from 660,000 tons in 1940 to nearly 1,000,000 in 1941, but dropped thereafter to 760,000 in 1944 as foreign sources of supply became less readily accessible and shipping became tight; they amounted to nearly 710,000 tons, however, in January-October 1945.

Carbon Dioxide Expansion Cooler Described by OPB

A highly-efficient carbon dioxide expansion cooler developed by the Army for sealing volatile toxics in glass ampoules is described in a report released by the Office of the Publication Board of the Department of Commerce. The cooler is designed to replace the dry-ice cooling method previously used in sealing toxics. The report is available at $2 for photostat and 50 cents for microfilm.

Amer. Mineral Spirits Adds Giloth to Staff

Karl F. Giloth, recently released from the navy, has returned to the sales department of the American Mineral Spirits Company, Chicago, and will be located in the Columbus, Ohio, office. He will cover Ohio, Indiana, Michigan, Kentucky, West Virginia and western Pennsylvania.

Trade Briefs

Daniel H. Buell, formerly general sales promotion manager of Beauty Counselors Inc., Detroit, has been appointed director of advertising of the company.

Wheeler Lime Corporation has been incorporated in Maryland by Thomas I. Miller, Clement M. Willis and August W. Schnepfe, all of Baltimore.

Tin Recovery in 1945 At Detinners' Plants Off

The total recovery of tin at detinning plants, as metal and in chemical compounds, declined 3 percent in 1945 from that in the preceding year, according to the Bureau of Mines. The continued scarcity of material for detinning, especially old tin cans, resulted in a recovery of only 3,981 tons of tin by these plants during the year, compared with 4,101 tons in 1944 and 4,577 tons in 1943.

The net loss was registered in spite of a gain in the quantity of new tin plate clippings available for detinning, because of the lighter coating of tin on the material treated and the substantial reduction in the quantity of old cans collected.

The amount of tin salvaged from new tin plate clippings increased 10 percent from 2,654 tons in 1944 to 2,911 tons in 1945. However, the tin recovered from old tin coated containers fell 26 percent, from 1,447 tons in 1944 to 1,070 tons in 1945. Only 114,311 tons of old cans were made available to detinners during 1945, compared to 146,976 tons in 1944, while the increased rate of tin plate production during the latter half of the year resulted in the treatment of 257,545 long tons of tin plate clippings in 1945, a gain of 13 percent over the 227,220 tons treated in the preceding year.

Ferro Drier Names New Sales Agent

The Campbell Chemical Company, Pittsburgh, has been named by the Ferro Drier & Chemical Company, Cleveland, as sales agent for southwest Pennsylvania, southeast Ohio and West Virginia.

N.Y. BIMS to Golf

BIMS, a social organization of buyers, importers, manufacturers and salesmen, of New York, have set the following golf dates for the 1946 season:—June 22, at Baltusrol Golf Club, Short Hills, N. J.; August 13, Winged Foot Golf Club, Mamaroneck, N. Y.; September 13, Wheatley Hills Golf Club, East Williston, Long Island.

J. Berlage Incorporates

Jan Berlage has incorporated the New York export and import firm of which he is president. It is now known as J. Berlage Company, Inc.

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Trademark Use Gives Priority in Palestine

OPD Washington Bureau

An unregistered trademark actually used in Palestine enjoys priority over a mark registered there and elsewhere, but used elsewhere only, according to a decision of the high court, reported to the Department of Commerce.

The County Perfumery Company, an English company, applied in March, 1944, for the registration in Palestine of trademark, "Brylfix," for toilet articles, such as hair cream. A year later, the Zamir Company, Tel-Aviv, objected to this registration and asked on its own behalf for the registration of the mark, "Brylfix," in respect of similar articles.

The administrator-general, as registrar, referred the conflicting applications to the high court. There it appeared that the English company had registered its mark in Egland in 1936, and sold goods showing this mark ever since. However, it could not show any actual use of the mark in Palestin, apart from the registration in 1944. The Palestine firm, on the other hand, although applying for registration in 1945 only, had actually used the mark in Palestine for about three years previously.

The high court held that it was the actual use in Palestine, and not the use or registration in England, which gave the priority in this country. Judgment was accordingly given in favor of the Zamin Company.

Cosmetics Production Data Is Released

In 1942 the War Production Board surveyed the principal known producers of cosmetics and toiletries in an effort to determine their operations during 1941. The survey was made on Form WPB-1244, and over 1,000 firms submitted reports. Production data for a number of the products covered by the survey are presented in the accompanying table. It is estimated that the respondents accounted for 80 percent of the domestic production of lipstick and for at least 85 percent of the domestic production of each of the other products covered by the tabulation.

Cleansing, lbs.	13,414,000
Dentifrices, total, lbs.	36,698,000
Paste, lbs.	25,678,000
Powder, lbs.	9,983,000
Liquid, lbs.	1,037,000
Lipstick, lbs.	469,000
Lotion, hand, gals.	2,123,000
Oil, bath, gals.	44,000
Perfume, liquid, gals.	78,000
Powder, baby, lbs.	4,808,000
Powder, face, lbs.	9,829,000
Powder, toilet, lbs.	22,134,000
Rouge, total, lbs.	274,000
Cake, lbs.	250,000
Cream, lbs.	24,000
Shampoo, liquid, total, gals.	5,324,000
Soapless, gals.	2,308,000
Soap, total, gals.	3,016,000
No cocoanut oil, alcohol, or glycerin, gals.	1,460,000
With cocoanut oil, alcohol, or glycerin added, gals.	1,018,000
Ingredients not specified, gals.	538,000
Shaving cream, total, lbs.	16,818,000
Lathering, lbs.	9,900,000
Brushless, lbs.	6,918,000
Shaving soap (cake, powder, and liquid), lbs.	6,607,000

Obituaries

Joseph A. Chanslor

Joseph A. Chanslor, who resigned last year as a director of the Tidewater Associated Oil Company, died in San Francisco May 20. He was seventy-eight years old. Mr. Chanslor was one of the organizers of the Associated Oil Company and served as its president from 1902 until 1910.

Joseph H. Sinclair

Joseph H. Sinclair, director of research for the Union Mines Development Corporation, a subsidiary of the Union Carbide and Carbon Corporation, New York, died in Ottawa, Canada, May 24. Mr. Sinclair, who was on vacation when he was stricken, was sixty-six years old.

Claude T. Porter

Claude T. Porter, vice-president of the Porter Paint Company, St. Louis, died in that city May 22. He was fifty-two years old. Mr. Porter had been ill six months.

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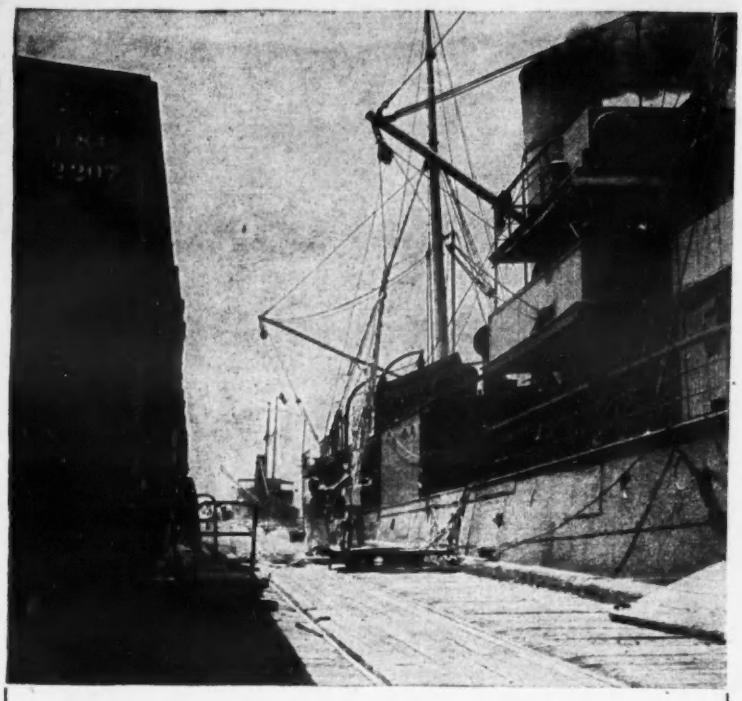

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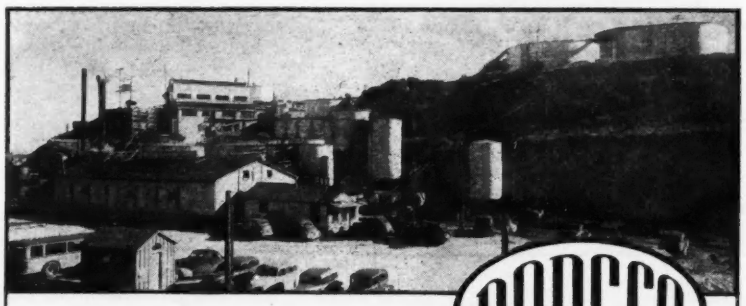

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Protective Coatings Materials

Though afflicted with ailments and irritations equalling, if not exceeding, the traditional plagues of ancient Egypt, the protective coatings industry continues to press onward toward its goal of a record-breaking sales volume for 1946. While its progress in this direction has been slowed down to a walk of late by the resumption of the work stoppage in the soft coal mines, by a threatened strike of workers handling seaborne freight and by unrelieved and even intensified shortages of many of its most vitally needed raw materials, it is still piling up sizable trade-sales in its finished products, as the clean-up and paint-up campaigns have begun to sweep through the country and the huge home-building program has gotten further under way.

Though their industrial sales outlet remains blocked at several points by the continuance of labor troubles in numerous industrial enterprises normally turning out great masses of durable goods requiring paint coatings, the manufacturers of paints, varnishes and lacquers feel confident that these outlets will eventually be reopened by a partial, if not complete, lifting of the present ban on sizable new industrial constructions and plant capacity expansions. As for the other work-stoppage obstacles now blocking its progress, they are hopeful that these, too, will be removed. They have already witnessed a sudden termination of the railroad strike and freight embargoes and are looking for a speedy ending of the soft-coal strike while greatly cheered by the prospect that the seemingly impending strike of maritime workers will be averted through the expected granting of a sizable wage-scale increase to the seamen and longshoremen's unions.

Meanwhile, their national association is still pressing the Office of Price Administration for price control relief for their industry.

Metallic Lead and Zinc

In line with what they had been led to expect, the manufacturers of paint pigment containing metallic lead have been informed by the Civilian Production Administration this past week that an order will soon be issued reducing still further the quantity of lead to be available for them as well as for other essential users. As a precursor of this action by CPA, that bureau had reported that the lead situation has continued to deteriorate as a result of the prolonged strikes at many of the principal mines, smelters and refineries. Prices for pig lead have continued unchanged for the week May 24-31 at 6.25c. per pound in St. Louis and 6.50c. in New York.

With primary production of metallic zinc in the United States continuing to register a recession while importations are reaching only negligibly small proportions, it has become evident that little can be expected in the direction of building up the available supply of this metal with an amplification of zinc scrap recovery. The Bureau of Mines has reported that consumption of zinc scrap, which had fallen 18 percent in February, had increased 25 percent to 17,051 tons for March. Thus, it has been shown that receipts of zinc scrap were then in balance with consumption, so that total stocks of consumers remained virtually unchanged. The secondary zinc recovery for March amounted to 12,027 tons, as compared with 9,285 tons for February. Quotations for zinc slabs have remained unaltered for the week May 24-31 at 8.35c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Iron Oxide—With the demand for both red and yellow iron oxides far outstripping the current supply, importers and other suppliers are experiencing considerable difficulty in meeting all requirements, albeit imports from Spain are increasing daily. Latest importations from Spain have included 637 barrels and 113 casks.

Market Trends

Prices Advanced

Methyl abietate, ¾c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(For Current Prices see page 9)

White Lead—The expected further paring down of CPA's allotment of pig lead to users of lead chemicals, below the present 79 percent allocation on a quarter basis, has tended to upset previously made calculations of the white lead pigment makers on their production and distribution of this pigment, already greatly curtailed by the preceding cut in their quota of this metal.

Fillers and Extenders

Gypsum — An exceptionally heavy demand is noted for this material, with prices firmly held throughout the list of both domestic and imported goods. An importation of 2,393 tons has been recorded within the past week.

Whiting — Moving in a steadily mounting volume. Latest importations have embraced 8,000 bags from Antwerp, Belgium.

Dry and Chemical Colors

Graphite—Buying interest in this color pigment is growing to sizable proportions. An importation of 750 bags has been noted, this past week.

Chrome Colors—The inadequacy of production in the bichromates continues to hold back the output of all the chrome colors, for which the demand is increasing heavily.

Driers and Flatteners

Naphthenates—With the supply of naphthenic acid proving sufficient for all current requirements of the manufacturers of the metallic naphthenates, consumers of these driers are having no difficulty in getting their orders filled, except in copper naphthenate. But there has been a slight slackening of the demand from numerous paint and varnish makers who are unable to obtain many of the chief ingredients of their finished products and who therefore feel impelled to cut down on their purchases of drying materials.

Stearates — A spirited export demand is noted for these flattening agents and, despite a retardation of buying operations on the part of some domestic consumers in the paint and varnish manufacturing industry, whose production is being held back by lack of sufficient other materials, there is plenty of business available for all the stearate makers, whose plants for the most part are pretty well booked up.

Lacquer Materials

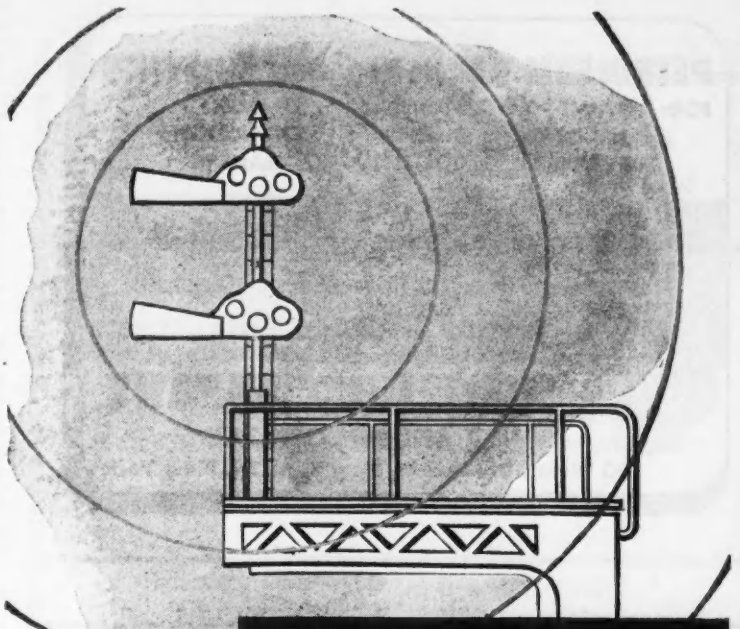
Butyl Alcohol — Shortage of corn and other grains and lack of adequate fuel to keep their plants running have induced most manufacturers of the normal fermentation butyl alcohol to refrain from naming new prices for this alcohol and also for butyl acetate at the outset of June. But, when they find it expedient to do so, it is expected that they will ask considerably higher prices for the new monthly period, in view of the greatly increased cost of production.

Methyl Abietate — An advance of three-quarters of a cent per pound has been announced by leading manufacturers of this material, making their revised quotations on it in non-returnable drums 9¼c. per pound for carload lots, 10½c. in 10-drum lots, and 11½c. in 1 to 9 drum lots, delivered in each instance. There have been no price changes in the hydrogenated material.

Naval Stores

Rosin—A pointblank refusal on the part of the Civilian Production Administration to remove present limitations on export quotas has upset the fond hopes and plans of several large

For Late Market Developments, See Page 4



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control

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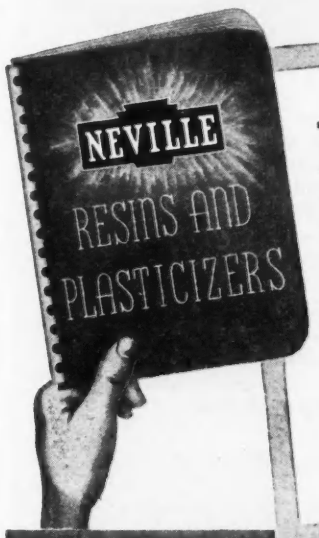

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A-15

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exporting houses who had long been seeking to obtain authorization for a notable expansion of the present quotas aggregating 250,000 drums between April 1 and October 1 of this year in order to assure the movement of the expected heavy increase in the production of both gum and wood rosins into consuming countries abroad, in the absence of even normal takings by American consumers. Hence the export quotas for rosin will be retained at their present levels of 100,000 drums for the first of the new season's quarters and 150,000 drums for the second of the crop year's quarters.

In denying the request for larger export quotas, CPA has explained its action by stating that it has been taken to protect the future rosin supplies of essential American industries. Altogether, it is figured that permitted rosin exports for the full year ended September 30, 1946, will total about 350,000 drums or approximately 38 percent of the total annual production of 1,318,000 drums (in the twelve-month period ended March 31, 1946). The prewar export demand called for more than 50 percent of the total production.

In this connection, CPA has pointed out that the production of gum rosin is highly seasonal while the consumption of rosin throughout the year is relatively stable. During the second and third calendar quarters, adds CPA, when the peak gum producing season is on, total production of rosin exceeds domestic consumption, plus normal exports. But, during the two other quarters of the year, the combined total production of both gum and wood rosin falls far short of the current demands. Accordingly, says CPA, it is necessary, during the second and third quarters, to produce more rosin than is being consumed and exported.

Meanwhile, many more export licenses have been issued, with the amounts applied for scaled down considerably in every instance, mostly to countries in Continental Europe and with only a few granted for shipment to South American countries. Domestic demand for both gum and wood rosins has been slightly amplified of late.

Savannah, May 29.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted			
	Mon.	Tues.	Wed.	*Thurs.
B	$6.00	$6.00	$6.00	...
D	6.07	6.07	6.07	...
E	6.60	6.60	6.60	...
F	6.70	6.70	6.70	...
G	6.74	6.74	6.74	...
H	6.76	6.76	6.76	...
I	6.76	6.76	6.76	...
K	6.80	6.80	6.80	...
M	6.82	6.82	6.82	...
N	6.98	6.98	6.98	...
WG	7.02	7.02	7.02	...
WW	7.07	7.07	7.07	...
X	7.07	7.07	7.07	...
	Drums			
Sales	...	...	...	...
Receipts	35	167	133	...
Shipments	...	...	70	...
Stocks	4,971	5,138	5,200	...

* Savannah Naval Stores Exchange closed in observance of Memorial Day.

Turpentine—A keen demand and wholly inadequate supplies have continued to characterize the primary markets for gum turpentine within the past week. Delays in getting the new crop crude gum out of the pinewood lands to the stills and thence into the markets in the South are reported as the principal cause for the shortage which has made the procurement of carload lots well nigh impossible, albeit consumers in the northern centers have succeeded in obtaining less than carload lots in fair volume. It is expected that more liberal supplies of gum turpentine will be available next month.

The Department of Agriculture has announced the contemplated purchase by the Commodity Credit Corporation of approximately 200,000 gallons of gum spirits or steam-distilled wood turpentine for delivery during the period June 15-August 15. In this connection, CCC is calling for offers to be received not later than 5 p.m. (EST) June 5 at the Contract Section, Special Services Division, Special Commodities Branch, Production and Marketing Administration, U. S. Department of Agriculture, Washington 25, D. C.

Savannah, May 29.—Following is a record of the market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	83¼	...	191	...	1,305
Tuesday	83½	...	19	...	1,324
Wednesday	83½	700	250	4	1,570
*Thursday	..	...	...	...	...

* Savannah Naval Stores Exchange closed in observance of Memorial Day.

Synthetic Resins

Alkyd Resins—Demand for these resins continues exceedingly keen, but is going largely unsatisfied, because of the shortage of their principal ingredients resulting from the long-continued strike at the coal mines and retardation of operations even when technically running again.

A list of synthetic resins, with their current quotations, appears in this issue of OPD, beginning on page 31.

Varnish Gums

Copal—Despite the efforts of the American importers of Congo gum copal to replenish the sadly depleted stocks of this gum in the New York

Speed Production with C LIMEOLITH

- An exceptionally easy and quick grinding pigment.
- Aids dispersion of other pigment.
- Saves wear on grinding mills and speeds production.
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BOSTON — Mulcahy & Griffin
CHICAGO — Philip E. Cole Co.
CINCINNATI — Dodrill & Sprinkel
CLEVELAND — T. S. Shelton
DETROIT — C. W. Hass Co.
HOUSTON — Joe Coulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — S. B. Taylor Co.
MONTREAL, CANADA — Cement Company, Ltd.
NEW ORLEANS — C. M. Sutton
PHILADELPHIA — Laos & Dilworth, Inc.
PITTSBURGH — Jos. A. Burns
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
SAN FRANCISCO — E. M. Wells
ST. LOUIS — Harry G. Knapp
SEATTLE — Carl F. Miller & Co.
TORONTO, CANADA — A. S. Paterson

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FOR ALL PHARMACEUTICAL, COSMETIC AND INDUSTRIAL PURPOSES
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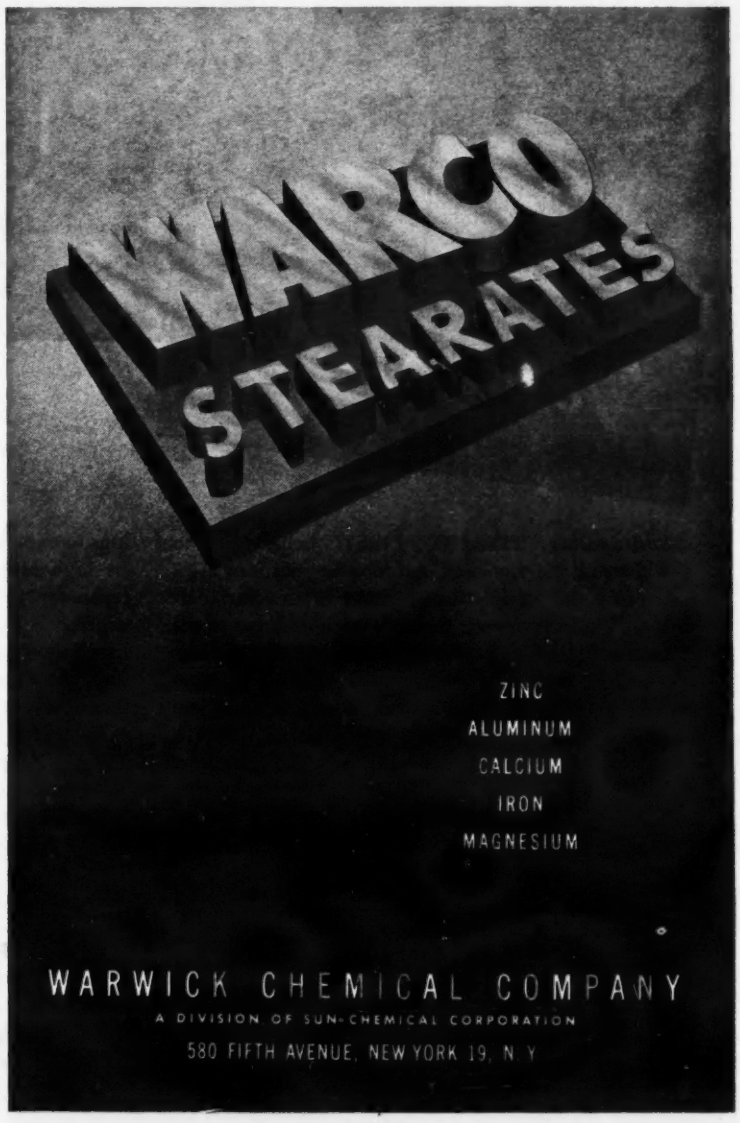


market by making purchases of some moderate quantities of the new gatherings in the Belgian Congo, at prices ranging from 30 to 40 percent above the now-rescinded ceilings, the local market remains virtually bare of stocks in warehouses, without much hope of substantial immediate replenishment, as the new acquisitions in the primary market cannot reach here for some time to come. Furthermore, the Belgian Congo authorities have held up further American purchasing in that market on the ground that the export quota for the United States has now been exhausted.

Shellac—The shortage in seedlac, T.N. and other bleaching grades of shellac continues virtually unrelieved in the United States, despite the recent arrival of a cargo of 650 bags of seedlac, 190 bags of kiri or refuse lac and 1,250 bags of otherwise unspecified grades from one of the old Indian crops, inasmuch as the American importers are still unable to procure the new Baisaikhi crop material in Calcutta, where price ceilings have been removed by the Indian Government authorities, because they are still hobbled by the existing OPA price ceilings which are much lower than those they would have to ask in order to break even on purchases made in the primary market, in competition with British operators and those from other countries who are not bound by price ceiling limitations in their own lands. Meanwhile, trading is going on daily in the open market in London, with newly purchased gum as well as that in warehouses changing hands at price levels far above those prevailing here.

Glues and Binders

Casein—As the season's milk flow approaches the flush production stage, many more American dairies are turning out casein, converting their dried skim milk into that product, under the incentive of the higher ceiling prices recently granted by OPA. But the aggregate domestic production is still far below normal levels. From Argentine sources, the only recent additions to stocks have been made through the arrivals of two cargoes from Buenos Aires; one of 2,000 bags and the other of 4,000 bags, with all of the latter consigned directly to a single consumer enterprise.

Glues—Lack of adequate fuel for operating their plants and the high cost and scarcity of gluestock are still holding down the production of both hide and bone glues while the approach of torrid weather is threatening to result in a further curtailment of the output of hide glues. Latest arrivals of raw materials have included 1,000 bags of bone glue and 2,252 bags of bones.

Trade Briefs

Standard Gypsum Company of California, Long Beach, Cal., is building a factory and steam plant and an addition to its calcining and bagging building at a cost of approximately $280,500.

Alfred Nash, of Hughes & Hughes, Ltd., agents in Great Britain for Godfrey L. Cabot, Inc., manufacturer of carbon black, Boston, has flown back to London after a month's business trip in the United States.

Stuart H. Ralph, vice-president and a director of Flintkote Company, has been elected president of the Asbestos Cement Products Association. He succeeded Samuel P. Moffitt, vice-president of Rubberoid Company.

Harry J. Williams has been appointed Eastern sales manager of the foil division of Reynolds Metals Company, New York. He succeeds V. W. Moody, jr., who has been transferred to headquarters at Richmond, Va.

Naval Stores Statistics . April, 1945-March, 1946

Production of gum and wood turpentine in the United States in the period April, 1945-March, 1946, amounted to 488,131 barrels of 50 gallons each, compared with 471,243 barrels in the same period last year, according to Naval Stores Research Division of the Department of Agriculture. Production of gum and wood rosin totaled 1,452,036 drums of 520 pounds, against 1,317,912 drums in the corresponding year.

Supply and Distribution

	Turpentine Apr., 1945-Mar., 1946 Barrels of 50 gals.	Rosin April 1945-Mar., 1946 Drums
Carryover, April 1	202,546	388,366
Production	488,131	1,452,036
Imports	14,982	9,795
Less carryover	100,749	388,682
Available supply	705,609	1,850,007
Apparent total consumption	604,860	1,461,415
Less exports	92,445	206,810

Production

	Turpentine	Rosin
Gum	244,252	694,476
Wood	243,879	757,560

Location of Carryover Stocks

	Turpentine	Rosin
Gum stills	10,102	63,282
So. concen. points	21,021	18,524
Wood plants	27,053	116,860
Distribution points	30,208	15,039
Industrial plants	22,467	238,259
Total in United States	100,749	388,682

Consumption by Industries

	Turpentine Barrels of 50 gals.	Rosin Drums 520 lbs.
Abattoirs	.....	455
Adhesive and plastics	264	22,656
Asphaltic products	.....	1,727
Automobiles and wagons	161	109
Chemicals and pharmaceuticals	107,078	272,303
Ester gum and synthetic resins	16,945	250,835
Foundries and foundry supplies	616	14,364
Furniture	164	3
Insecticide and disinfectants	16	5,407
Linoleum and floor coverings	36	9,602
Matches	.....	1,304
Oils and greases	72	26,431
Paint, varnish, and lacquer	17,828	101,240
Paper and paper sizes	.....	274,022
Printing ink	216	7,436
Railroads and shipyards	8,518	17,747
Rubber	629	21,274
Shoe polish and shoe materials	11,336	5,604
Soap	.....	182,683
Other industries	211	4,073
Total industrial reported	164,090	1,219,234

Kountze and Merkin Head Russian Relief Group

DeLancey Kountze, chairman of the board of Devoe & Raynolds Company, paint manufacturer, New York, and Michael J. Merkin, president of the M. J. Merkin Paint Company, Brooklyn, N. Y., have been named chairman and vice-chairman, respectively, of the paints and chemicals division of the Greater New York Committee for Russian Relief.

Reynolds Metals Appoints Williams Eastern Sales Head

Harry J. Williams has been appointed eastern sales manager for the foil division of the Reynolds Metals Company, Richmond, Va., succeeding V. W. Moody jr., who has been transferred to the home office. Mr. Williams has been with Reynolds since 1922.

Bowman Rejoins Nat'l Lead Pacific Coast Branch

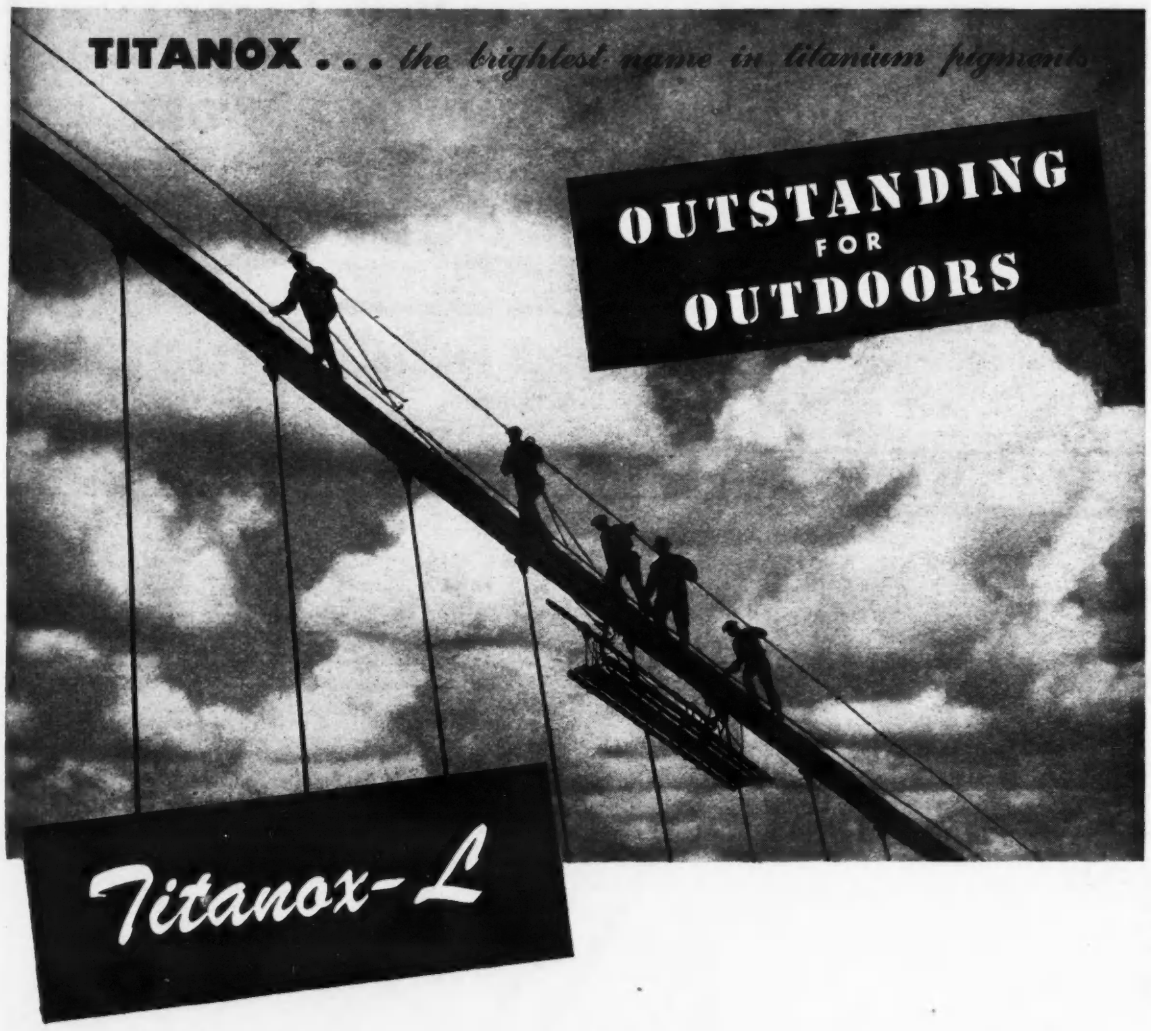
W. R. Bowman, recently released from the Army as a Major, has resumed his position with the technical staff of the Pacific Coast branch of the National Lead Company as general superintendent of the San Francisco paint factory.

Hilo Names Eberley To Sales Staff

The Hilo Varnish Corporation, Brooklyn, N. Y., has appointed Merwin J. Eberley to the upper New York industrial sales territory. He was formerly connected with the company's research and development laboratory.

Balto. Paint Club Hears Anderson

Roy B. Anderson, regional vice-president of the National Paint, Varnish and Lacquer Association, was guest speaker at the regular monthly meeting of the Baltimore Paint, Varnish and Lacquer Association, held in the Belvedere hotel.



Still another "TITANOX FIRST" helps paint to withstand the rigors of outdoor applications . . . improve the service characteristics of exterior coatings. Working toward this end, paint chemists in the laboratories of the producers of TITANOX pigments aimed at greater durability and achieved it when TITANOX-L (Lead Titanate) was developed and offered to the trade. Thus, in 1935, TITANOX-L became *the first and only commercially produced lead titanate in the United States.*

TITANOX-L, used in quantities ranging upward from 20% of the pigment, strengthens exterior coatings to exceptional durability and helps retain gloss. Its high hiding power, plus chalking and erosion resistance, permit a considerable proportion of less expensive extender pigments to be safely used. Especially recommended for air dried industrial coatings, the durability of TITANOX-L is superior to that of any other white or near white pigment.

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LEAD NAPHTHENATE 24%

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METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Established in 1815 • Plants at Dighton, Mass. and Charlotte, N. C.
NEW YORK • BOSTON • PHILADELPHIA • CHARLOTTE

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Illustrated at the left is a dual purpose Brighton portable kettle. Its basic use is for synthetic resin. By simply removing the lid and agitating assembly it becomes ideally suited for varnish making. It is furnished in sizes 150 to 750 gallons. Agitator is driven by an explosion proof gear head motor. A feature of this agitator drive is the fact that it is a horizontal drive and thereby reduces the over-all height and necessary head room. The agitator is equipped with a Brighton adjustable foam breaker of highly efficient design. A rotating inert gas distributor feed through the hollow drive shaft is provided. A ring for lifting the cover with a chain block is provided. This kettle can be furnished with a Brighton quick removable condenser. This kettle can be furnished in various metals such as stainless steel, nickel, etc.

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Gentlemen: Without obligation on my part, please send me complete data and catalog on the Brighton 2 in 1 kettle.

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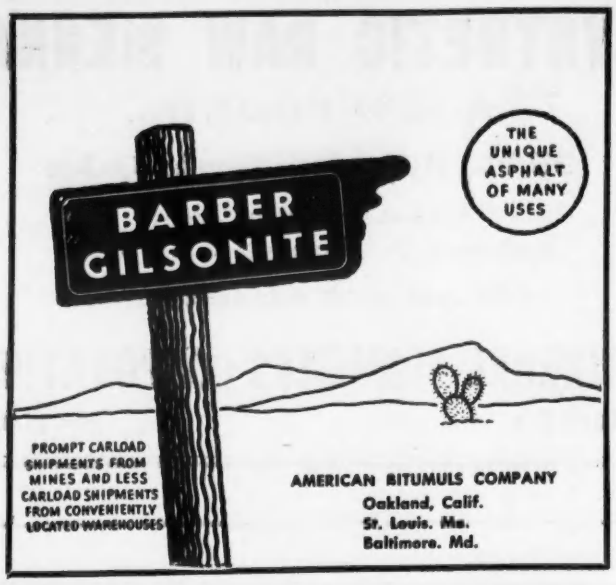

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Barium Products
STANDARD ULTRAMARINE CO.
HUNTINGTON, WEST VIRGINIA

No. 3 Collapsible Tube Filler (For Hand Operation)

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

ARTHUR COLTON CO.
2624 E. Jefferson Av., Detroit, Michigan

Paint Production Clubs News

The New York Paint and Varnish Production Club has set June 3 as the deadline for the sale of tickets to the June 6 outing of the Jumping Brook Golf Club, near Asbury Park, N. J. Tickets may be obtained from Charles Malizia, treasurer.

Baltimore

The Baltimore club has elected the following officers for 1946-47:—President, Stanley L. Levy, of the White Company; vice-president, Howard W. Cantwell, of Crown Cork & Seal Company; secretary, Howard Scholl, of C. M. Athey Company, and treasurer, Richard Ker, of the H. B. Davis Paint Company.

The Baltimore Paint, Varnish and Lacquer Association and the Baltimore Paint Salesmen's Club have been invited to attend the production club's annual outing, which will be held at Riverview Beach on June 15.

CDIC

The annual outing of the Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production Club will be held at the Wyandotte Country Club, Columbus, Ohio, June 11. Arrangements are being handled by Herbert Fenburr, of the Columbus Varnish Company, Columbus.

Chicago

The Chicago production club will celebrate 'Past Presidents Night' at a dinner-meeting to be held in the Svithiod Club on June 7, which will also be featured by the election of officers for the 1946-47 term. The following have been nominated:—H. H. Zimmerman, Illinois Paint Works, Chicago, president; T. A. Thorson, Minnesota Linseed Oil Paint Company, Fort Wayne, Ind., vice-president; E. A. Wilder, S. C. Johnson & Son, Inc., Racine, Wis., secretary; P. DeLeeuw, Nubian Paint & Varnish Company, Chicago, treasurer, and T. F. Biron, Armstrong Paint & Varnish Works, Chicago, sergeant-at-arms.

The club's annual golf party will be held at the St. Andrews Golf Club on August 10.

Philadelphia

James E. Davis, of R. B. H. Dispersion, Inc., Bound Brook, N. J., has been nominated for the presidency of the Philadelphia production club. Neil T. Phelps, of Sinclair Refining Company, Marcus Hook, Pa., has been nominated for vice-president; Hugh A. McConaghie, of Felton, Sibley & Co., Philadelphia, for secretary, and G. H. Westcott, for treasurer. Officers will be elected at the June meeting.

San Francisco

M. S. Herbert, of the E. I. du Pont de Nemours & Co., Wilmington, Del., was guest speaker at the regular monthly meeting of the Golden Gate Paint and Varnish Production Club. His subject was "Formulation of Zinc Yellow Metal Primers."

Paint Research Report Being Issued by OPB

American wartime research on paints revealed that the addition of aluminum powder to priming coats improved the fire retardent properties of paint used on the interior surfaces of Navy ships, according to a report released by the Office of the Publication Board of the Department of Commerce. The report, PB-12140, is available at $1 for photostat and 50 cents for microfilm.

NPVLA Makes Plans For Golf Tournament

The National Paint, Varnish and Lacquer Association has made tentative arrangements for a golf tournament at the Atlantic City Golf and Country Club, to be held November 9, the day following the conclusion of the annual convention.

Varcum Chemical Forms Canadian Company

The Varcum Chemical Corporation, Niagara Falls, N. Y., has formed a Canadian division known as Varcum Chemical Corporation (Canada) Ltd. The Canadian company, to be located at Lindsay, Ontario, will manufacture molding compounds and synthetic resins. Construction of a plant will begin in July.

Cobalt Metal Recovery Report Is Issued

The Bureau of Mines has released a report describing recent metallurgical research in the recovery of pure cobalt metal from the oxidized cobalt ores of the Goodsprings, Nev., mining district. A copy of the publication, report of investigations 3836, "Metallurgical Treatment of Cobalt Ores from the Goodsprings Mining District, Nevada," by F. Keith Shelton may be obtained by writing to the Bureau of Mines, Department of the Interior, Washington 25, D. C.

Rutile Output Up

Bureau of Mines has reported an increase in rutile production in 1945 over the 1944 total. Salient statistics for rutile in the United States in 1944-45 follow:—

	Tons			
	1944		1945	
	Gross weight	TiO_2 content	Gross weight	TiO_2 content
Production..	6,922	.....	7,179	.....
Mine shipments ...	6,770	6,312	6,837	6,414
Imports ...	10,019	.....	10,602	.....
Consumption	14,813	13,837	9,876	9,226
Stocks at year end..	7,004	6,936	10,130	9,419

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Oils, Fats, and Waxes

Scarcity of supplies of oils and fats continued to restrict trading last week. Buying interest was unabated and it was common talk that there had been a noticeable increase in bids for supplies above ceilings.

Export licenses for refined soybean oil were issued by the Office of International Trade, last week for the exchange of equal amounts of olive oil. Under recent agreements, 7,900 metric tons would be imported as follows:—Spain, 5,000 metric tons, Italy, 2,500 metric tons, Lebanon and Syria, 200 metric tons each.

Operations by the Copra Export Management and Export Company will end June 30 and the trading in copra will return to private concerns on that date. CCC will continue to make purchases for foreign claimants and imports and prices will continue subject to government control.

Some 131,000 tons of fats and oils were made available by CCC from January 1 to May 17, this year, for delivery to UNRRA and to European countries, it was reported by the Department of Agriculture.

Allocations during the entire six months period from January 1 to July 1, 1946, total 174,000 tons—including the carryover of previous allocations which were not shipped before January 1, but not including an allowance of about 14,000 tons for continuing commercial exports.

Yellow laundry soap retail price ceiling were advanced from 1c. to 2c. per bar, effective May 29, under amendment 11 to MPR 390 and amendment 8 to 391.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.5	193.5	193.5	193.3

(For Current Prices see page 9)

Cottonseed Oil

Outside of scattered sales of crude oil at ceilings the market was dull and featureless last week. Bids at ceilings attracted little attention as production was sold up and practically at an end for the season. Deliveries against contracts were in active request.

Arrivals of 1,020 tons of cottonseed oil were noted at New York from Brazil last week, consigned to CCC for allocation.

Outlook for the exports of cottonseed oil from Brazil in 1946 are reported more pessimistic than at an earlier date when shipments of oil were estimated at 15,000 tons, about half of normal annual exports, according to reports received by the Department of Agriculture. This is the result of the poor condition of the cotton crop in central Brazil. Conditions of other oilseed crops remain favorable.

Bleachable oil prices follow:—

	Cents per pound in tanks		
	High.	Low.	Close.
July	....	....	14.31 bid
September	....	....	14.31 bid
October	....	....	14.31 bid
December	....	....	14.31 bid
March, 1946	....	....	14.31 bid
May	....	....	14.31 bid

Total sales, none.

Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Linseed Oil

With the arrival of 6,355 tons of Uruguyan seed at New York early last week, and two other shipments totaling 10,000 tons, due later in the period, some easement in the tight oil situation may be expected during the early part of June. Demand for oil continued active, with supplies here at low ebb and held for delivery in small quantities on former contracts.

Minneapolis, May 28.—Crushers, already working against heavy odds because of the extremely light receipts of flaxseed during the emergency wheat shipment period, were forced to reduce running time to approximately 25 percent of capacity and expected to lower this rate gradually during June. It was predicted that some of the smaller mills would be closed by July 1.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	4,440,000	3,600,000
Since Sept. 1	246,320,000	196,850,000

Los Angeles, May 29.—Linseed market remains extremely tight. Crushers have little to offer. Demand excellent. Oil was quoted at 14.5c. per pound in tank-cars and 14.9c. drum carlots.

Flaxseed—Light seed receipts in the West continued to affect oil production. Liberal arrivals of Uruguyan seed at New York last week.

Minneapolis, May 28.—Outlook for the flaxseed crop was still uncertain. There was much frosted flax in North and South Dakota which will not be replanted. Producers were replacing much of their flax acreage with corn and other crops, which have a definite price edge since last government ceilings were announced.

	Receipts 1945-46		Shipments 1944-45	
This week	37,500	89,700	3,000	75,600
Since Sept. 1	19,908,500	9,968,700	4,216,500	1,906,500

Flaxseed in Minneapolis during the week was quoted at $3.35 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, May 31.—Flaxseed quoted at $2.64¼ per bushel, at terminal elevators and paid by the Argentine Grain Board. Visible seed supply was estimated at 3,150,000 bushels.

Hull, May 31.—Exports of flaxseed from India have been banned and quotations withdrawn.

Other Vegetable Oils

Babassu—Exports of babassu oil from Brazil during 1946 are estimated at about 30,000 tons, according to the Department of Agriculture.

Castor, Dehydrated—Supply situation was more acute, owing to the strike which shut down two plants during the past two weeks. Demand was urgent, with trading reduced to small lots for immediate needs.

Copra—Trading in copra will be resumed June 30, by private concerns when the Copra Export and Management Company, will cease to control the importation of copra. However, CCC will continue to make purchases for foreign claimants and imports and prices will continue subject to government control.

Oiticica—Scarcity of supplies continued to restrict business. Consuming inquiry was active for shipment from Brazil, but offerings were reported scarce. Arrivals totaled 860 drums at New York last week for delivery on previous contracts.

Olive—Licenses for the export of refined soybean oil for the exchange of olive oil were issued by the Office of International Trade last week, as provided for in recent agreements made with Spain, Italy, Lebanon and Syria, for a total of 7,900 metric tons of olive oil. Owing to the scarcity of soybean oil shippers found it extremely difficult to obtain oil and this was expected to further delay the importation of olive oil.

Peanut—Representative Stephen Pace of Georgia has introduced in Congress a bill (H. J. Res. 359) to prohibit the issuance of marketing quotas and acreage allotments for peanuts to be marketed or planted next year. Mr. Pace introduced the bill because of the shortage of high protein foods and feeds, and fats and oils.

Sunflowerseed—Harvesting of sunflowerseed was in progress in Uruguay in April and according to latest reports the crop has not attained the levels anticipated. It is believed that the price of edible oil, in consequence, will be increased.

Tung—Arrivals were reported at 375 drums from the Argentine and 775 drums from Shanghai at New York last week, and were consigned against former contracts. The 1946 harvest of tung nuts in northern Parana, Brazil is estimated at about 1,000 metric tons. Growing conditions were excellent and in late March some producers had already begun harvesting. Eight of the largest growers in this region have formed a company for crushing nuts. The processed oil will be sold in drums to the highest bidder in either the domestic or export market.

Atlanta, May 29.—Most mills in Georgia and Alabama shut down for the season, only one to two operating. Cottonseed and peanut oils and meals were prac-

For Late Market Developments, See Page 4

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Margarin Output Larger

Margarin production during March was slightly larger than the previous month, according to statistics compiled by the Bureau of Internal Revenue.

	Pounds March 1946	1945
Production of uncolored oleomargarin	*43,675,980	†47,318,832
Withdrawn tax-paid	43,423,875	48,118,312
Used in Uncolored Margarin		
Butter culture	272	.....
Butter flavor	320	1,005
Citric acid	220	353
Corn oil	790,970	884,175
Cottonseed oil	17,956,982	22,826,313
Derivative of glycerin	102,094	92,731
Diacetyl	91	65
Estearin	10,468	7,508
Lecithin	53,554	54,924
Milk	7,495,012	8,206,582
Monostearin	36,281	29,452
Neutral lard	137,243	624,731
Oleo oil	191,646	767,419
Oleo stearin	198,397	141,220
Oleo stock	25,625	72,773
Peanut oil	1,811,594	639,688
Salt	1,342,355	1,443,583
Soda, benzoate of	30,661	28,482
Soybean oil	14,308,332	12,368,009
Soybean stearin	.....	1,856
Soyflakes	.....	1,491
Tallow	1,800	.....
Vitamin concentrate	7,520	8,370
Total	44,501,437	48,201,330
Production of colored oleomargarin	3,000,831	‡7,568,046
Withdrawn tax-paid	1,589,814	2,243,512
Used in Colored Margarin		
Butter flavor	11	153
Color	3,051	5,933
Corn oil	5,461	13,447
Cottonseed oil	533,570	1,659,287
Derivative of glycerin	8,831	6,394
Diacetyl	2	29
Estearin	942	119
Lecithin	3,667	4,115
Milk	496,544	1,253,049
Monostearin	536	7,059
Neutral lard	30,531	222,454
Oleo oil	20,065	397,348
Oleo stearin	.....	1,306
Oleo stock	8,400	54,000
Peanut oil	27,827	2,681
Salt	96,665	261,446
Soda, benzoate of	1,902	5,101
Soybean oil	1,807,958	3,762,359
Soyflakes	.....	2,659
Vitamin concentrate	430	1,043
Total	3,045,693	7,659,984

Note—The figures for March, 1946, are subject to revision until published in the commissioner's annual report.

* Of the amount produced, 6,039 pounds were reworked.

† Of the amount produced, 19,446 pounds were reworked.

‡ Of the amount produced, 36 pounds were reworked.

tically unavailable. Demand urgent and unsatisfied.

Fats and Greases

Greases—Lack of supplies continued to affect business. Offerings continued light. Production was reduced locally by the closing of hundreds of butcher shops which stopped the accumulation of fats.

Tallow—New business was slow, with the output readily taken against former contracts. Light sales were noted at ceilings.

Animal Oils

Firm conditions featured this market. Supplies were light and closely held at ceilings. Degras was in steady request. Grease and neatsfoot oils were in fair supply and well held at ceilings.

Fish Oils

While consuming inquiry was excellent, business was quiet, owing to the scarcity of all oils. Refined menhaden and sardine oils were in scanty supply with sellers not offering.

Fatty Acids

Red Oil—Business was restricted to regular users. Production was sold ahead and delivered against current orders. Prices were firm at ceilings.

Stearic Acid—Demand was active and exceeded supplies. Makers were not accepting new business and delivered the output on previous contracts.

Cake and Meal

Cottonseed Meal—Most mills having completed their crush were closed for the season. Deals involving other scarce materials are necessary to pry meal from ginners, reports from the South stated.

Linseed Meal—Production in steady request against contracts. Resale supplies unavailable.

Minneapolis, May 28.—Demand for meal continued brisk. Mills with limited supplies for sale found ready buyers.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	4,200,000	6,000,000
Since Sept. 1	335,880,000	274,140,000

Waxes

Beeswax—An active demand was reported for African crude for shipment, but trading was light as offerings were held above ceiling levels. Spot was firm and unchanged.

Carnauba—While a lull was noted in trading, the market was firm and unchanged on the spot and in Brazil. Offerings for shipment were light. No. 3, North country, was reported firm at $1.65 to $1.66 per pound, f.o.b. Brazil, for June shipment.

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2—Aluminum Jacketed Vacuum Pans; 250 gal., 400 gal.
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1—Copper Distillation Column; 36" x 23'; sectional type.
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3—Raymond Imp Mills, No. 45, with accessories.
1—Raymond Imp Mill, 24", with accessories.
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2—Mikro No. 1 & No. 2 Pulverizers with motors.
1—Simpson Intensive Mixer, 6' Dia.
2—Shriver Cast Iron Filter Presses, 24" and 30".
1—Standard Automatic Case Gluer & Sealer.
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3—Forge Welded Autoclaves—6'x21, 300 P.S.I.
1—Lehman Five Roll Water Cooled Mills; 48", Belt Driven.
1—Raymond "OO" Mill with Dust Collector and accessories.
1—Bauer Double Runner, 30" Attrition Mill; P.D.
1—Sturdevant No. "O" Hammer Mill with 10 H.P. Motor.
1—Black & Clawson Double Drum Dryer, 28" x 60", with accessories.
3—Double Drum Atmospheric Dryers, 27½" x 63".
1—Devine Double Bronze Drum Dryer, 3' x 9', with 25 H.P. motor.
1—Buffalo Double Drum Dryer, 32" x 72".
1—Buffalo Single Drum chrome plated Dryer, 5' x 6', with auxiliaries.
2—Vacuum Drum Dryers, 48" x 40" (1 iron, other bronze, chromed).
1—Buffalo Vacuum Drum Dryer, 5' x 20'.
1—Rotary Vacuum Dryer, 3' x 18', with auxiliaries.
2—Galland & Henning Steam Tube Dryers, 6' x 30'.
1—Ruggles-Cole Rotary Dryer, 4' x 20', with auxiliaries.
2—Louisville 36" Continuous Filters.
1—Industrial All Iron Rotary Filter; drum 6' x 3'.
1—Shriver 18" x 18" Wood Plate & Frame Filter Press.
1—Standard Automatic 50 ton Plastic Molding Press with accessories.
1—Farquahr 100 ton Extrusion Press, 10" x 38½"; stroke 40".
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1—350 gal. closed jack. agit. Kettle.
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1—Devine VACUUM SHELF DRYER, 14 shelves, 40x43.
3—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYERS complete.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
9—Direct heat ROTARY DRYERS; 4'x30', 5'x30', 70"x30", 6'x60'.
1—ROTARY KILN, 6'x60'.
5—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30"; 1—Struthers Wells, 30"x12'.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

JUST PURCHASED
Chemical Perfume Plant

2—200 gallon Copper steam jacketed Agitated Kettles.
4—100 gallon Copper steam jacketed Agitated Kettles.
1—275 gallon All Copper Vacuum Pan, complete with condenser.
1—250 gallon All Copper Vacuum Pan, complete with condenser.
1—60 gallon All Copper Vacuum Pan, complete with condenser.
1—50 gallon All Copper Vacuum Pan, complete with condenser.
2—25 gallon Copper Jacketed Evaporating Pan.
1—60 gallon Copper Jacketed Evaporating Pans.
1—Porcelain lined Pebble Mill.
1—J. H. Day Drug Mixer.
13—400 lb. All Copper Percolators.
8—200 lb. All Copper Percolators.
5—100 gallon Closed Copper Tanks.
Miscellaneous small copper tanks, crocks, stone percolators, stone filters, etc.

SPECIAL PURCHASE

1—A. Colton No. 14 Fully Automatic Tube Filler, Closer and Clipping Machine.
3—Cast Iron Plate and Frame FILTER PRESSES, side Feed, washing type, open delivery. Plate sizes 33x37"—40—1" frames. Gear Closing.
1—Pneumatic Scale six head fully automatic Capping Machine.
5—World and Ermold semi-automatic Labeling Machines, MD.
2—W & P MIXERS, 150 gallon capacity, 100 gallon working capacity, size 15, style VI, type BB, equipped with sigma blades, fully motorized.
2—Stokes Hand Tube Fillers.
2—Colton Hand Tube Fillers.
4—Hand Closers and Crimpers.
1—Morgan Nailing Machine, MD.

2—Buffalo 6' Vacuum & Atmospheric CRYSTALIZERS.
8—Anderson No. 1 Expellers, M.D.
1—8" Mikro Pulverizer.
1—Simpson No. 1 Intensive Mixer, 4' dia. Pan.
1—Patterson 36" dia. Dry Pan, double muller.
4—18" & 22" Robinson & Bauer motor driven Attrition Mills.

MILLS AND PULVERIZERS

PEBBLE MILLS, various sizes.
1—24"x24", Jeffrey single ROLL CRUSHER.
6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 0, No. 000.
1—8'x30" Hardinge Conical Silex Lined PEBBLE MILL, also 6'x36".
1—5'x13' PEBBLE or TUBE MILL, with open trunions.

28"x48" Sifters, 8, 4, 3 and 2 decks.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
1—12"x15' long Rotary Kiln, complete.
1—12"x18" Dings Magnetic Separator.
1—3'x8' Iron-lined Rod Mill.
1—6 cyl. Kritzer Lime Hydrator.
4—3'x6' double-deck Sturtevant Moto-Vibro Screens, all steel encased.
2—Hardinge silex-lined Pebble Mills, 6'x36 & 8'x36".
2—6'x28' Rotary Steam Tube Dryers.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.

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Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
100—Steel Tanks—all sizes and shapes.
Copper tank with agitator and coil, 60" dia. x 7' high.
2—International Centrifuges, size 3, Type F.S., Stainless Steel with Motors.
Shriver Filter, 24" open del., all iron.
1—18 spout Karl Kiefer Rotary Filler.
Colton Capsule Machine with Dies.
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
Stainless Steel Milton-Roy Pumps (new) with G.E. Explosion-proof Motors.

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10—New Sharpless Centrifuges.

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1—4' dia. Calandria Copper Evaporator, 350 sq. ft. heating surface.
1—DEVINE No. 11 Vac. Shelf Dryer, 40"x43".
1—DEVINE Surface Condenser and Receiver, 50 sq. ft.
1—DEVINE Vac. Pump, 52 CFM with 3 HP AC motor.

AVAILABLE NOW!

1—ABBE 30"x36" Pebble Mill—M.D.
1—Three Roll Mill W. C., 10x40—M.D.
1—PFAUDLER Jacketed Glass lined Reactor, 500 gal.
3—Powder Mixers, 400 to 2,000 lb. Capacity.
1—PFAUDLER Sectional Glass lined Tank, 600 gal.
1—Stainless Steel Vacuum Pan, 90 gal.
1—SHRIVER 12" Cast Iron Filter Press.
New S. S. Jacketed Kettles.
Portable Agitators, ¼ HP—S. S. Shaft and propellers.

SEND FOR BULLETIN A-6

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3—42 in. x 30 in. Roller Mills
2—40 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill
2—Practically new 750 gallon Porcelain lined Pebble Mills
3—32 in. x 36 in. PEBBLE MILLS
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY

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FOR SALE

1—Raymond 5-Roll high side Pulverizer.
1—4 x 6' Atmospheric Drum Dryer.
1—Raymond 0000 Imp Mill.
1—6' Buflovak Vacuum Crystallizer.
1—No. 10 Day Imperial Mixer.
1—24" Mikro Pulverizer, belt drive.
2—1,000 gal. closed Lead Lined Tanks.
1—Buflovac 10 gal. jack. Autoclave.
1—6' Buflovak Vacuum Crystallizer.
4—Portable Elevators—500 and 1,000 lb.
1—10 x 20 x 12" Union Dry Vacuum Pump.
1—No. 600 De Laval Clarifier.
1—No. 5 Sweetland Filter.
4—Water Stills; 10 and 25 G.P.H.
1—Link Belt Rote-Louvre Dryer, 6½ x 20'.

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1—FEINC 3'x2' Steel Rotary Vacuum Filter.

1—Battery of 2 Tolhurst 40" Suspended Type Centrifugals, steel perforated baskets, bottom discharge, direct motor driven with 15 HP motors.

1—Abbe 3'x4' Silex Lined 100-gal. Pebble Mill.

1—Orville Simpson No. 43 Rotex Sifter, motor driven.

1—Buflovak Vacuum Shelf Dryer, with 20—42"x42" shelves.

3—Colton Class 9-18, 20 Punch Rotary Preforming Presses. 2" die.

1—Stokes "R" Single Punch Preforming Press, 2½" die.

10—Colton and Stokes Single Punch Preforming Presses, up to ¾".

1—Readco 100-gal. Jacketed Heavy Duty Double Arm Mixer.

1—Fitzpatrick Model "D" Comminuting Machine.

1—Schutz O'Neill 18" Ball Bearing, Style D Limited Mill.

1—Colton No. 2 Combination Tube Filler and Closer.

3—Abbe No. 00, 1 and 2 Bluteregss Sifters.

1—New Era 100 gal. Double Arm Jacketed Mixer, motor driven.

1—Filler Machine Co. 4 spout Filler.

1—5' dia. Copper Jacketed Pan, agitated.

1—Lab. Vallez Filter.

2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.

1—American 6' 2 Disc Rotary Continuous Filter.

6—Oliver 8' x 6' Rotary Hopper Dewaters. NEW.

1—Oliver Filter, 5' x 8'.

1—Devine 4' x 15' Rotary Vacuum Dryer.

2—6' x 27'6" Rotary Steam Tube Dryers.

1—American 16" x 40" 3 Roller Mill, water cooled, motor driven.

4—Stokes Rotary B and BB Tablet Machines.

7—Stokes, Colton, Mulford Single Punch Tablet Machines, 3B, 3D and "T" and "R".

3—Tyler Hummer Screens, 3' x 5', 4' x 5'.

2—Hardinge Ball Mills, 2' x 8", 4½' x 24".

7—Pebble Mills, 75, 100 gal.

1—Hurrell Colloid Mill, motor driven, 20 h.p. motor.

5—Copper Vacuum Pans, 42", 48", 5' and 6' dia.

5—1,200-lb. Brand New Powder Mixers.

2—3,000-lb. Powder Mixers.

1—J. H. Day, Size "C" Powder Mixer, motor driven.

6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200, 1,000 gal.

2—60 and 125 gal. Alum. Jktd. Kettles.

10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.

8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.

1—Copper Varnish Kettle, 175 gal.

2—1,750 gal. Lead Lined Closed Tanks.

4—W. & P. Mixers, 9, 20 gal.

1—Howes 24" x 12' Powder Mixer.

1—Williams No. 1 Hammer Mill.

2—National, Day Powder Fillers.

1—Karl Kiefer Visco Piston Type Filler, motor driven.

5—World, Ermold, National Labelers.

1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.

6—Shriver, Sperry Filter Presses, 30", 32", 30", 24", 18", 12".

5—Shriver Wood Filter Press Skeletons, 24" to 42".

4—Sharples No. 6 Centrifuges, open and Presurtite.

3—De Laval No. 300, 600, 700 Clarifiers.

1—Tolhurst 40" Suspended type, Bottom Discharge Centrifugal, solid basket, M.D.

5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.

3—Buflovnk Vacuum Drum Dryers, 24" x 20", 48" x 40", 5' x 6'.

4—Atmos. Drum Dryers, 4' x 9', 5' x 7', 5' x 6', 28" x 60".

6—Copper and Steel Vacuum Pans, 50 to 750 gal.

2—Swenson Continuous Crystallizers, 24" x 30'.

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5—Rotary Dryers, 4' x 20' to 6' x 60'.

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32'x100' Truscon Steel Building, bolted construction, 21'9" headroom with hand-operated overhead crane, 30' span, 1 ton AC Electric Hoist and 60' runway. Lean-to one side 12' wide by 100' long, 11' headroom.

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1—Western 18" centrifuge.

24—New stainless steel kettles from 50 to 250 gallons.

5—Rotex sifters—20x40 to 20x96.

3—Stills from 150 gallons to 3,500 gallons.

10—New 8 to 12 spout straight line vacuum fillers.

5—New siphon fillers.

5—Shriver, Sperry filter presses from 12" to 42".

2—Colton No. 2 and No. 4 tablet presses.

3—Stokes model F, T & B tablet presses.

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Huhn Rotary Continuous Dryers.

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15—54", 48", 42", 40", 30" and 24" copper COLUMNS.

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1—Copper TRIPLE EFFECT EVAPORATOR, vertical tubes, 2,000 sq. ft. per effect.

46—CONDENSERS, 42-¾"x8'7" steel shells, 150 1-½"x7' l. copper tubes.

2—ALUMINUM horizontal TANKS, 7'3" dia. x 34' l., 10,500 gal.

3—COPPER TANKS, 8'x10', 3,760 gal.

2—STEEL TANKS, 1-20 dia. x 25' high, 58,000 gal.; 1-16' dia. x 20' high, 30,000 gal.

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18—Ceco motor driven BRONZE CENTRIFUGAL PUMPS, 2½x 2; 6½x1.

11—STEAM PUMPS, 20x14x18 to 4x4x5.

1—630 KW NORDBERG UNAFLOW ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.

1—200 K.W. Allis Chalmers ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.

1—750 K.W. NORDBERG ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.

1—Baldwin 27 ton Saddle Tank LOCOMOTIVE, std. gauge, 6-wheel.

1—Amer. Consolid. 62 ton LOCOMOTIVE, std. gauge.

1—Baldwin 57 ton LOCOMOTIVE, std. gauge.

4—6,000 gal. ARA steel TANK CARS.

1—Fairbanks TRACK SCALE, 42' long, 200,000-lb. capacity.

1—No. 450 KELLY FILTER, iron leaves, hand-operated.

2—No. 6 Mitts & Merrill HOGS, with 150 H.P. slip ring motors, 3/60/440 volts.

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2—10 ton and 1-6 ton, hand BRIDGE CRANES, 45', 38', 21' span.

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Botanical Drugs

—Continued from page 62

though open quotations lacked additional declines, the tendency was to move in buyers' favor.

Ginger—Not much African root is likely to reach here this summer. London factors normally large operators in the item are unable to do anything at this time. Considerable business was done in Jamaica root for import last week.

Peppers—Acute scarcity of red peppers continued and signs of an easing of the supply situation were lacking. Sales of ground black pepper by the Commodity Sales Corporation have reached comparatively large totals at 16.9c. per pound. The transactions from April 30 to May 7 totaled 11,284 pounds and took place at Baltimore and New York on the Atlantic coast, and at Oakland and Stockton in California.

Markets at Other Centers

Los Angeles, May 29.—Lack of supplies limited trading in this market during the week. All prices remain firm. Ruling prices are:—

Marjoram—French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was quoted at 65c. per pound. Leucophylla was named at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

Du Pont Extends Vacation Period

Extension of the annual vacation period to three weeks for all employees of fifteen years or more of service has been announced by E. I. du Pont de Nemours & Co., Wilmington, Del. Approximately 14,000 employees, or nearly 20 percent of the total, will be affected immediately by the move.

A two-week yearly holiday at full pay has been a feature of the company's employee plans for many years. The new program is retroactive to January 1, 1946, and employees whose fifteen-year service date is attained at any time during the year are eligible for the added vacation week this year, and each year thereafter. Those qualifying who already have taken their 1946 vacation will receive an extra week. One year of service is the basis of eligibility under the two-week vacation schedule.

Semler, Inc., Gets FTC 'Cease' Order

OPD Washington Bureau

R. B. Semler, Inc., manufacturer of hair tonic, New Canaan, Conn., has been ordered by the Federal Trade Commission to cease selling its product on the condition or agreement that purchasers who resell it do not handle competing hair tonics. The commission also found that certain advertisements concerning the effects of the product on the hair and scalp were false and misleading and ordered that they be discontinued.

Columbia Pharmacy Names Wimmer Professor Emeritus

At a recent meeting of the board of trustees of the Columbia University College of Pharmacy, Prof. Curt P. Wimmer was designated professor emeritus of pharmacy, effective July 1, 1946. Prof. Wimmer has been associated with the college for forty years.

Ecuador Import Tax Increased

An additional import tax of 1½ percent ad valorem on all dutiable merchandise, except medicines, imported into Ecuador has been established.

Match Price Fixed

The retail prices for matches imported into Ecuador by the official monopoly (Estanco) have been fixed at 1.70 sucre per package of 10 or more boxes and 0.20 sucre per box of 50 matches.

Borden Company will build a new vegetable protein fractionation plant in Kankakee, Ill., at a cost of about $1,250,000.

Vaccine Developed For Dengue Fever

An effective vaccine has been obtained against dengue fever, according to the Commission on Neurotropic Virus Diseases of the Army Epidemiological Board. The virus first was isolated in Hawaii by army doctors and brought to the United States where it has undergone thirty-two consecutive passages through the brains of mice.

In the course of these passages it underwent a curious mutation, whereby it has lost its capacity to produce in men the severe illness and protracted fever characteristic of the original disease. It has retained, however, its ability to produce the measles-like rash and it gives subsequent immunity to the unmodified dengue virus. The immunizing dose is very small. The extract from the brain of a single mouse has been found to contain at least 10,000 such doses. The new vaccine is prepared from this modified virus.

Helium Production Up

Helium production of the Bureau of Mines plants in the last five fiscal years produced 370,787,000 cubic feet of helium.

Military and non-Federal demands for helium reached their greatest peak in history during December, 1943, when Bureau plants shipped 14,608,700 cubic feet of the gas in cylinders and special tankcars. In the same month, the first of many all-time production records was established, the three plants then in operation extracting 14,221,200 cubic feet of helium.

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1—Baker Perkins Mixer, size 18, type 1V, class BS, 300 gals.
1—Baker Perkins Jacketed Mixer, 2,000 gals., 50 HP Motor & Speed Reducer.
1—Baker Perkins Jacketed Mixer (jacketed blades), 50 gals.
1—Day Stainless Steel, Double-Arm, Jacketed Mixer, 100 gals.
2—Creamery Package Stainless Steel, Jacketed Pasteurizers, 150 gals, Stainless Steel Agitator, ¼ HP Motor.
1—Abbe Engr. Porcelain-Lined Ball Mill, 5'x8'.
1—Abbe Engr. Porcelain-Lined Ball Mill, 4'x40".
3—Thropp 2-roll Rubber Mills, 18"x 30".
1—Thropp 2-roll Rubber Mill, 14"x 30".

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	1946	1945
Net income	$447,864	$176,802
Per share	.65	.28

The Norwich Pharmacal Company

	1946	1945
Net income	$280,639	$175,926
Per share	.352	.221

Pittsburgh Plate Glass Company

	1946	1945
Net income, first quarter	$3,330,825	$3,416,894
Per share	.87	.89

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